

ペルー国
溪谷村落洪水対策事業準備調査

ファイナルレポート
メインレポート
I-7 データブック (1)

平成 25 年 3 月
(2013 年 3 月)

独立行政法人 国際協力機構
八千代エンジニアリング株式会社
日本工営株式会社
中南米工営株式会社

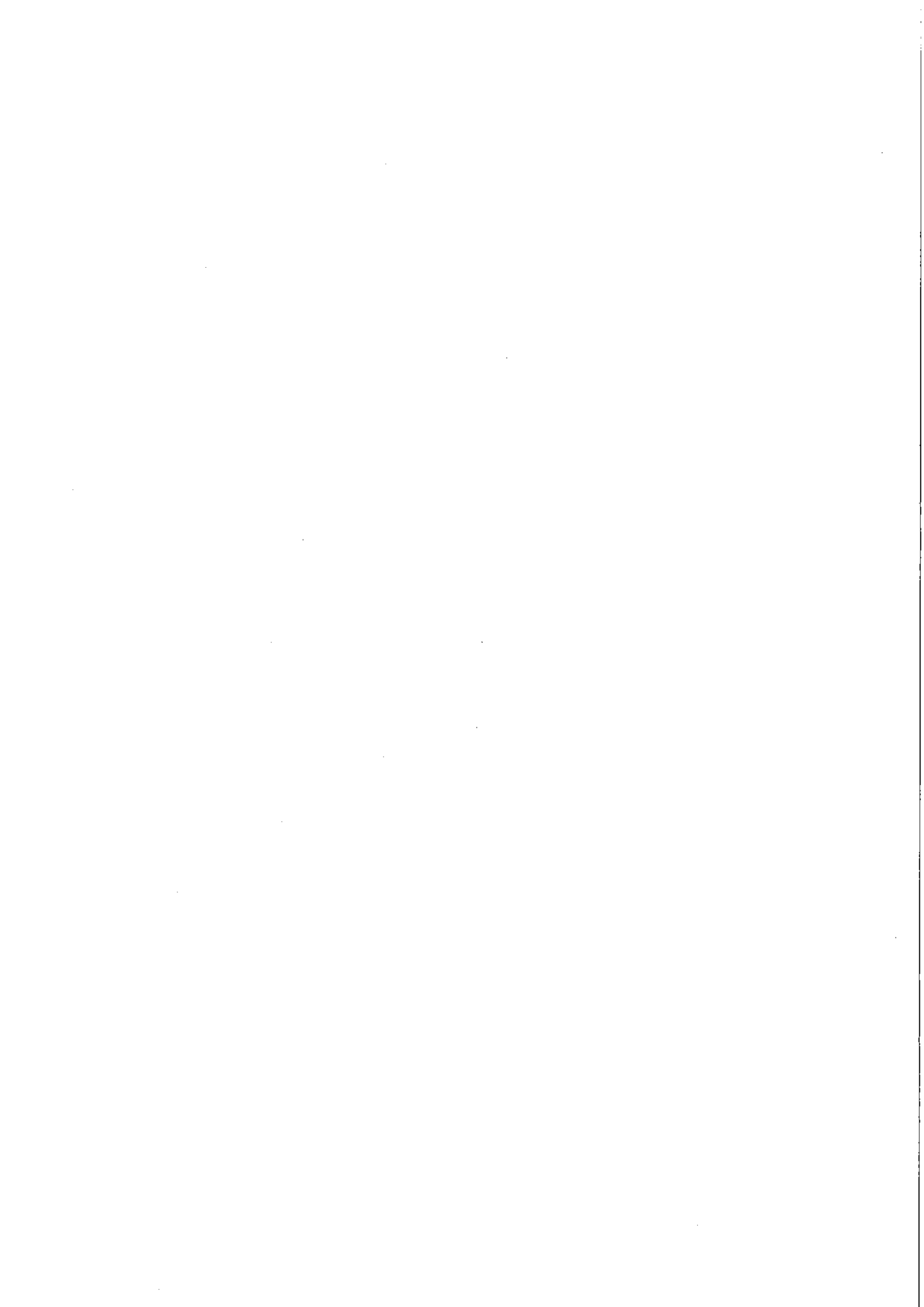
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| 環境 |
| CR (4) |
| 13 - 100 |

DATA BOOK

1. RAIN FALL
2. DISCHARGE
3. Expropriation of land and infrastructure repositioning



1. RAIN FALL



**RELACION DE ESTACIONES DE LA CUENCA DEL
"RIO CHIRA"**

| CODIGO | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
|---------------|------------------------|---------------------|-----------------|----------------|
| 152202 | ARDILLA (SOLANA BAJA) | PIURA | 80° 26'1 | 04° 31'1 |
| 150003 | EL CIRUELO | PIURA | 80° 09'1 | 04° 18'1 |
| 152108 | FRIAS | PIURA | 79° 51'1 | 04° 56'1 |
| 230 | LA ESPERANZA | PIURA | 81° 04'4 | 04° 55'55 |
| 152125 | LAGUNA SECA | PIURA | 79° 29'1 | 04° 53'1 |
| 152104 | LAS LOMAS 1 | PIURA | 80° 15'1 | 04° 38'1 |
| 140 | LAS LOMAS 2 | PIURA | 80° 15'1 | 04° 38'1 |
| 208 | MALLARES | PIURA | 80° 44'44 | 04° 51'51 |
| 152144 | MONTERO | PIURA | 79° 50'1 | 04° 38'1 |
| 152101 | PANANGA | PIURA | 80° 53'53 | 04° 33'33 |
| 152135 | SAN JUAN DE LOS ALISOS | PIURA | 79° 32'1 | 04° 58'1 |
| 203 | SALALA | PIURA | 79° 27'27 | 05° 06'6 |
| 152110 | SANTO DOMINGO | PIURA | 79° 53'1 | 05° 02'1 |
| | | | | |

PERIODO Y LONGITUD DE LA INFORMACION DISPONIBLE DE LAS ESTACIONES PLUVIALES

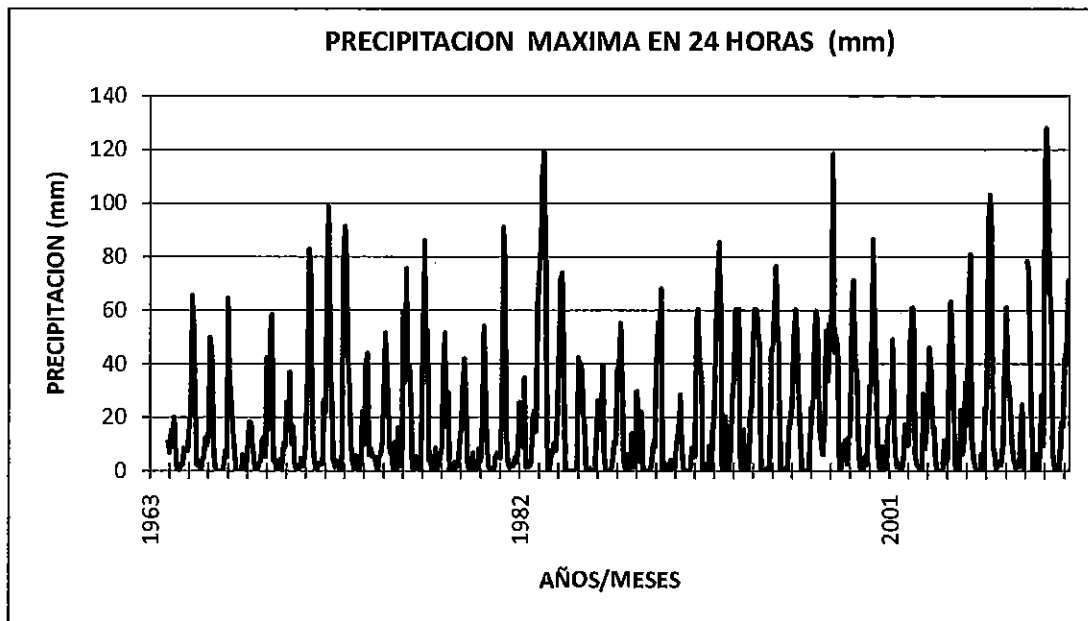
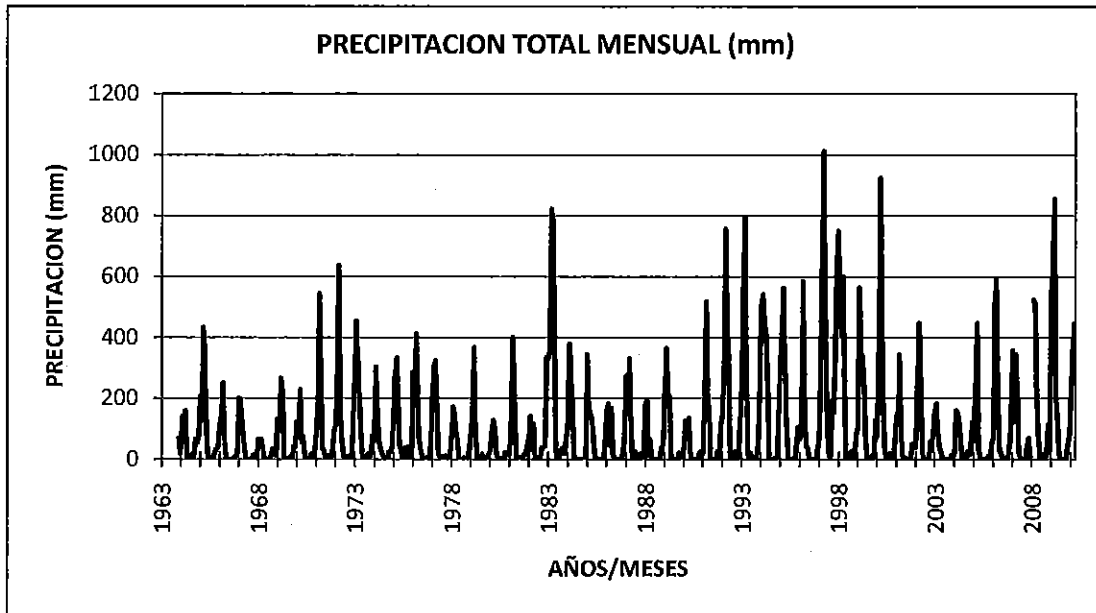
| | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | | | | | | | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| RIO CHIRA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALAMOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARDILLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EL CIRUELO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRIAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LA ESPERANZA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAGUNA SECA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAS LOMAS 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAS LOMAS 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MALLARES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MONTERO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PANANGA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAN JUAN DE LOS ALISOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SALALA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SANTO DOMINGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|----------|---------------|
| CUENCA | CHIRA |
| ESTACION | SANTO DOMINGO |

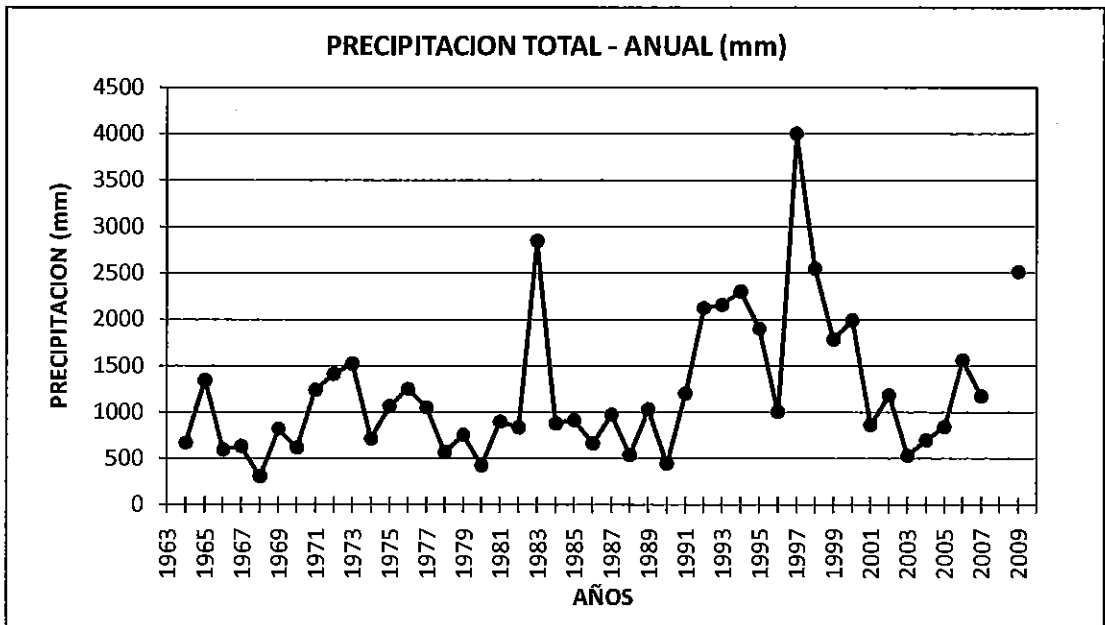
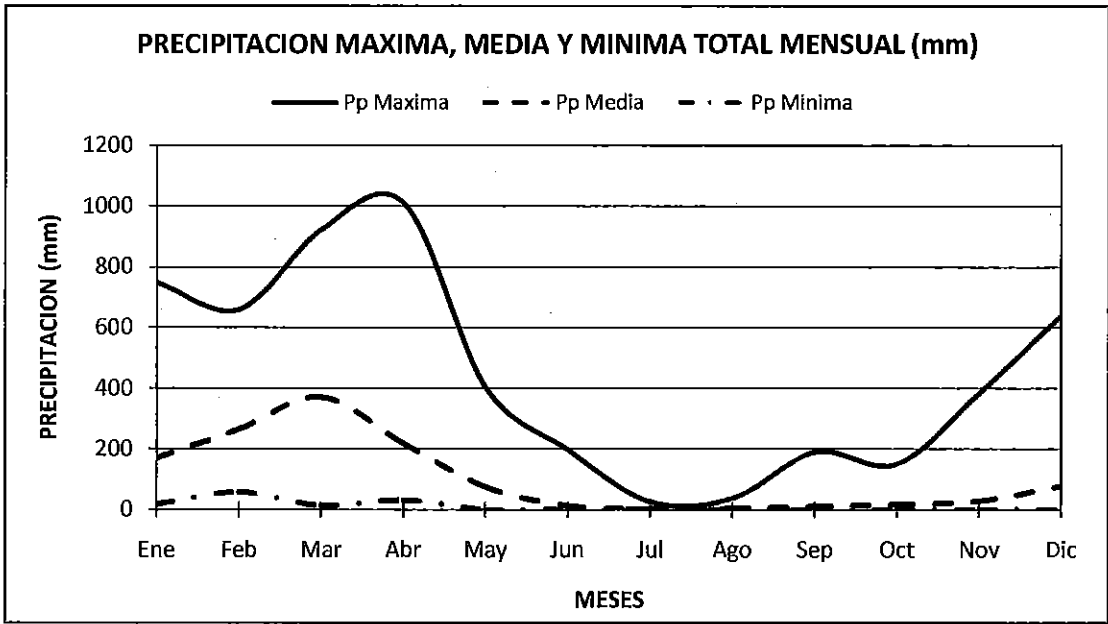
PERIODO Y LONGITUD DE LA INFORMACION DISPONIBLE DE LAS ESTACIONES PLUVIALES

| | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | | | | | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| RIO CHIRA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALAMOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ARDILLA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EL CIRUELO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FRIAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LA ESPERANZA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAGUNA SECA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAS LOMAS 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAS LOMAS 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MALLARES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MONTERO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PANANGA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAN JUAN DE LOS ALISOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SALALA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SANTO DOMINGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION SANTO DOMINGO | DEPARTAMENTO PIURA | LONGITUD 79° 53'1 | LATITUD 05° 02'1 |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION SANTO DOMINGO | DEPARTAMENTO PIURA | LONGITUD 79° 53'1 | LATITUD 05° 02'1 |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|

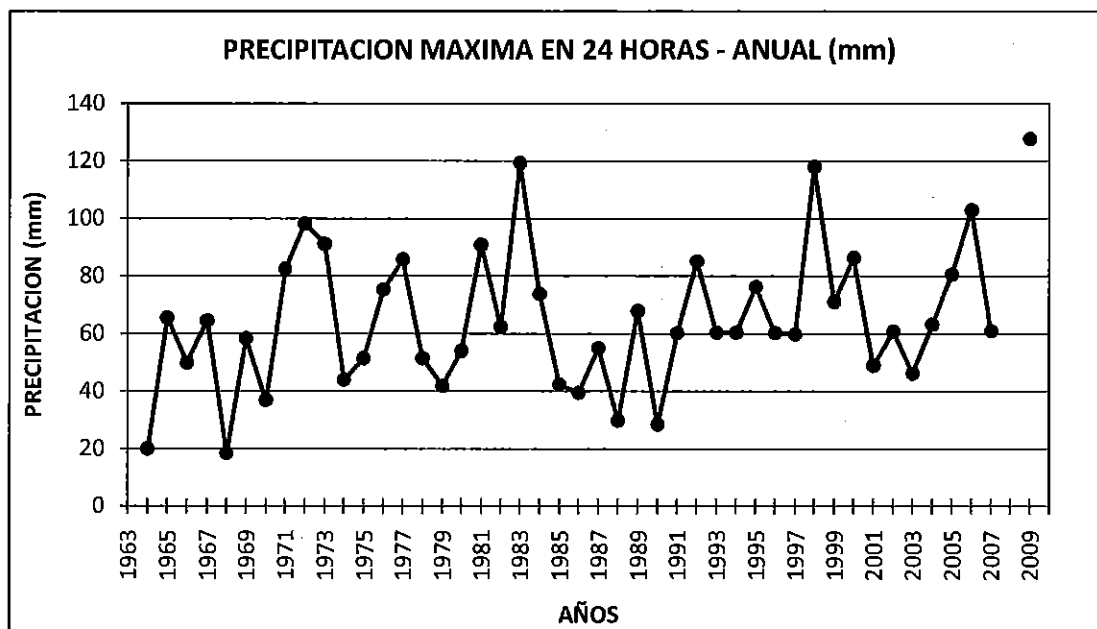


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|---------------|--------------|----------|----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | SANTO DOMINGO | PIURA | 79° 53'1 | 05° 02'1 |

| Año | Mes | | | | | | | | | | | | Máx. | |
|------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|--|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | | |
| 1963 | | | | | | | | | | | | | 10.7 | |
| 1964 | 6.8 | 15.0 | 15.0 | 20.0 | 4.7 | 0.0 | 0.0 | 2.7 | 2.5 | 8.3 | 8.2 | 7.6 | 20.0 | |
| 1965 | 15.7 | 22.1 | 65.6 | 50.8 | 21.9 | 2.3 | 3.9 | 0.2 | 3.3 | 5.4 | 12.3 | 9.5 | 65.6 | |
| 1966 | 13.4 | 49.9 | 44.4 | 9.3 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 7.6 | 5.0 | 49.9 | |
| 1967 | 64.6 | 34.0 | 27.3 | 16.2 | 8.9 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 0.0 | 2.5 | 64.6 | |
| 1968 | 8.3 | 18.4 | 17.8 | 10.9 | 3.9 | 0.0 | 0.9 | 2.6 | 4.1 | 11.3 | 12.6 | 5.2 | 18.4 | |
| 1969 | 42.4 | 15.6 | 51.0 | 58.4 | 4.0 | 4.1 | 0.0 | 1.9 | 4.4 | 1.0 | 10.2 | 9.1 | 58.4 | |
| 1970 | 25.7 | 17.1 | 36.9 | 10.1 | 16.5 | 3.1 | 0.9 | 0.0 | 2.1 | 4.8 | 1.9 | 4.9 | 36.9 | |
| 1971 | 14.2 | 40.1 | 82.6 | 72.4 | 14.2 | 6.1 | 0.7 | 1.3 | 2.9 | 2.4 | 2.7 | 26.3 | 82.6 | |
| 1972 | 21.6 | 78.5 | 98.4 | 36.4 | 28.2 | 4.2 | 1.4 | 3.9 | 3.4 | 0.0 | 5.8 | 79.0 | 98.4 | |
| 1973 | 91.2 | 80.2 | 41.7 | 29.4 | 9.3 | 3.5 | 0.2 | 5.6 | 5.5 | 0.3 | 4.4 | 22.2 | 91.2 | |
| 1974 | 9.8 | 39.9 | 44.0 | 6.2 | 8.5 | 5.3 | 5.5 | 4.0 | 0.0 | 5.2 | 6.2 | 11.1 | 44.0 | |
| 1975 | 30.4 | 51.5 | 37.3 | 20.8 | 7.2 | 6.1 | 0.4 | 10.9 | 0.0 | 16.4 | 1.9 | 2.1 | 51.5 | |
| 1976 | 59.6 | 33.2 | 75.4 | 35.3 | 39.2 | 22.5 | 1.1 | 0.0 | 5.4 | 0.0 | 0.0 | 8.5 | 75.4 | |
| 1977 | 40.0 | 85.9 | 50.9 | 52.5 | 3.9 | 5.6 | 0.0 | 0.0 | 8.5 | 0.0 | 3.1 | 5.9 | 85.9 | |
| 1978 | 10.3 | 40.0 | 51.5 | 16.5 | 29.5 | 0.0 | 0.0 | 0.0 | 3.2 | 1.4 | 1.8 | 10.1 | 51.5 | |
| 1979 | 16.7 | 31.7 | 41.9 | 21.6 | 3.2 | 0.7 | 1.4 | 6.7 | 0.0 | 0.0 | 1.3 | 8.3 | 41.9 | |
| 1980 | 3.9 | 18.4 | 54.1 | 27.7 | 8.2 | 2.0 | 0.0 | 0.0 | 0.0 | 5.4 | 6.7 | 6.6 | 54.1 | |
| 1981 | 4.9 | 26.0 | 90.9 | 79.2 | 11.8 | 2.7 | 1.2 | 2.5 | 2.1 | 5.1 | 3.3 | 9.2 | 90.9 | |
| 1982 | 25.7 | 23.6 | 8.9 | 34.8 | 1.6 | 1.6 | 2.1 | 3.0 | 20.1 | 22.5 | 14.7 | 62.4 | 62.4 | |
| 1983 | 73.9 | 82.4 | 109.9 | 119.5 | 85.2 | 9.8 | 0.0 | 4.5 | 7.1 | 10.2 | 7.6 | 18.5 | 119.5 | |
| 1984 | 41.6 | 71.5 | 73.9 | 42.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 73.9 | |
| 1985 | 42.3 | 36.9 | 39.8 | 22.0 | 14.6 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 11.4 | 42.3 | |
| 1986 | 26.1 | 23.4 | 15.5 | 39.5 | 6.7 | 0.3 | 0.0 | 0.0 | 0.0 | 4.1 | 10.8 | 10.0 | 39.5 | |
| 1987 | 37.7 | 40.0 | 55.1 | 31.2 | 4.0 | 1.2 | 6.0 | 0.7 | 1.5 | 14.1 | 1.4 | 2.3 | 55.1 | |
| 1988 | 29.8 | 22.4 | 3.4 | 21.8 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 3.0 | 10.0 | 8.9 | 29.8 | |
| 1989 | 40.8 | 55.5 | 55.0 | 68.0 | 0.3 | 3.1 | 0.0 | 0.0 | 2.9 | 4.2 | 0.0 | 0.0 | 68.0 | |
| 1990 | 6.9 | 12.9 | 16.4 | 28.5 | 8.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 7.3 | 28.5 | |
| 1991 | 5.4 | 57.5 | 60.3 | 40.4 | 35.3 | 0.0 | 0.0 | 0.0 | 1.3 | 9.4 | 0.0 | 15.2 | 60.3 | |
| 1992 | 23.4 | 55.2 | 72.5 | 85.3 | 55.3 | 1.8 | 0.0 | 20.3 | 10.2 | 0.0 | 7.6 | 27.2 | 85.3 | |
| 1993 | 35.2 | 60.1 | 60.2 | 60.4 | 6.9 | 0.0 | 15.3 | 0.0 | 0.0 | 0.0 | 20.1 | 25.4 | 60.4 | |
| 1994 | 50.1 | 60.4 | 60.3 | 50.3 | 45.2 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 45.3 | 60.4 | |
| 1995 | 45.2 | 61.3 | 76.4 | 55.3 | 45.2 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 15.1 | 19.7 | 76.4 | |
| 1996 | 25.4 | 50.0 | 60.3 | 50.1 | 30.0 | 15.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | 60.3 | |
| 1997 | 23.6 | 23.6 | 53.2 | 59.8 | 52.3 | 17.5 | 12.3 | 6.3 | 21.0 | 52.3 | 33.6 | 55.0 | 59.8 | |
| 1998 | 51.8 | 118.1 | 44.5 | 50.5 | 47.1 | 6.3 | 0.0 | 7.4 | 10.3 | 11.4 | 2.6 | 12.4 | 118.1 | |
| 1999 | 13.5 | 65.9 | 71.1 | 41.0 | 36.4 | 15.0 | 2.3 | 0.0 | 1.5 | 5.2 | 2.3 | 17.9 | 71.1 | |
| 2000 | 32.1 | 32.1 | 86.5 | 51.2 | 37.2 | 8.4 | 1.3 | 0.0 | 9.2 | 0.0 | 0.0 | 17.0 | 86.5 | |
| 2001 | 20.0 | 20.0 | 49.0 | 18.2 | 5.5 | 1.5 | 3.0 | 1.0 | 0.1 | 6.2 | 17.3 | 9.5 | 49.0 | |
| 2002 | 9.9 | 47.9 | 60.9 | 58.8 | 6.2 | 2.5 | 1.4 | 0.5 | 0.0 | 28.8 | 8.2 | 13.6 | 60.9 | |
| 2003 | 27.7 | 46.2 | 38.3 | 16.5 | 16.5 | 2.5 | 0.0 | 0.0 | 0.0 | 0.5 | 11.4 | 3.2 | 46.2 | |
| 2004 | 4.3 | 41.5 | 63.3 | 49.5 | 23.5 | 0.0 | 2.3 | 0.0 | 22.7 | 6.4 | 10.1 | 33.0 | 63.3 | |
| 2005 | 17.2 | 66.3 | 80.8 | 13.2 | 4.3 | 1.7 | 0.0 | 0.0 | 0.6 | 6.4 | 0.0 | 23.5 | 80.8 | |
| 2006 | 23.8 | 92.0 | 103.0 | 91.3 | 8.1 | 7.7 | 0.8 | 2.3 | 3.7 | 2.3 | 9.2 | 35.0 | 103.0 | |
| 2007 | 61.1 | 34.0 | 30.9 | 18.3 | 8.6 | 4.2 | 1.2 | 2.4 | 1.7 | 14.8 | 24.7 | 0.8 | 61.1 | |
| 2008 | | 78.3 | 74.6 | 36.4 | 17.9 | 0.6 | 1.1 | 6.5 | 0.0 | 7.6 | 28.4 | 9.6 | | |
| 2009 | 112.4 | 127.9 | 107.0 | 67.6 | 59.7 | 6.4 | 1.7 | 0.0 | 0.0 | 3.7 | 18.2 | 16.8 | 127.9 | |
| 2010 | 41.8 | 44.7 | 71.0 | 39.7 | | | | | | | | | | |

| | | | | |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION SANTO DOMINGO | DEPARTAMENTO PIURA | LONGITUD 79° 53'1 | LATITUD 05° 02'1 |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|



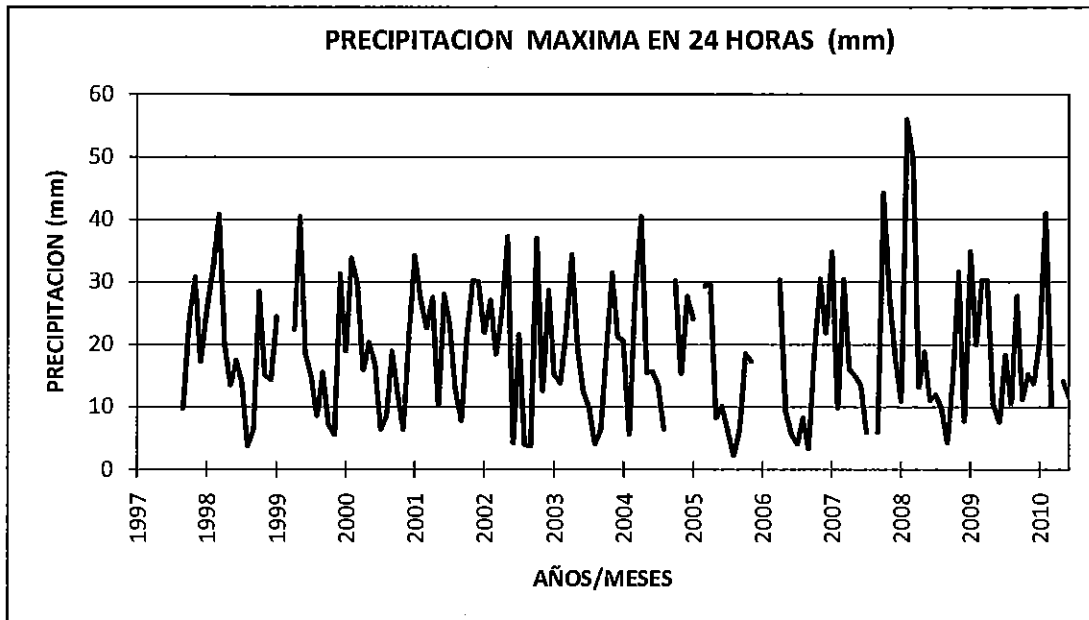
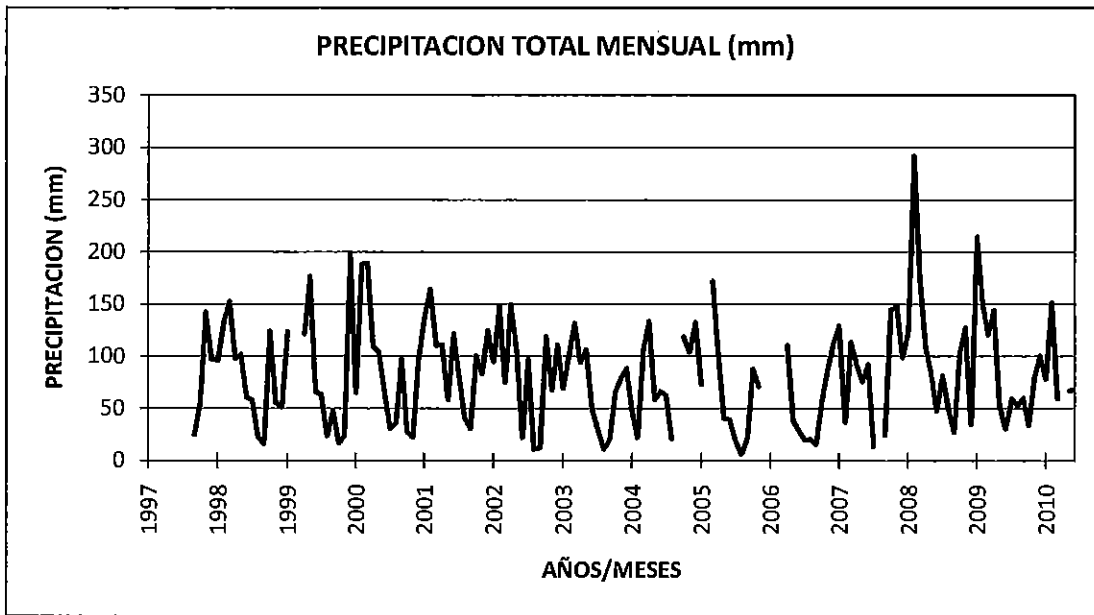
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION SANTO DOMINGO | DEPARTAMENTO PIURA | LONGITUD 79° 53'1 | LATITUD 05° 02'1 |
|-----------------|---------------------------|-----------------------|----------------------|---------------------|

| Año | Total |
|------|--------|
| 1963 | |
| 1964 | 671.2 |
| 1965 | 1347.5 |
| 1966 | 597.8 |
| 1967 | 633.7 |
| 1968 | 307.9 |
| 1969 | 822.1 |
| 1970 | 620.1 |
| 1971 | 1239.8 |
| 1972 | 1414.9 |
| 1973 | 1527.5 |
| 1974 | 713.7 |
| 1975 | 1066.3 |
| 1976 | 1253.2 |
| 1977 | 1053.0 |
| 1978 | 567.7 |
| 1979 | 756.0 |
| 1980 | 426.3 |
| 1981 | 897.9 |
| 1982 | 836.7 |
| 1983 | 2848.4 |
| 1984 | 880.3 |
| 1985 | 914.5 |
| 1986 | 666.4 |
| 1987 | 973.6 |
| 1988 | 541.4 |
| 1989 | 1032.4 |
| 1990 | 445.1 |
| 1991 | 1204.0 |
| 1992 | 2123.3 |
| 1993 | 2159.9 |
| 1994 | 2306.4 |
| 1995 | 1903.8 |
| 1996 | 1008.7 |
| 1997 | 4007.8 |
| 1998 | 2552.6 |
| 1999 | 1786.6 |
| 2000 | 1997.1 |
| 2001 | 867.1 |
| 2002 | 1186.4 |
| 2003 | 533.2 |
| 2004 | 699.8 |
| 2005 | 842.7 |
| 2006 | 1564.0 |
| 2007 | 1174.7 |
| 2008 | |
| 2009 | 2514.9 |
| 2010 | |

| CUENCA | CHIRA |
|----------|--------|
| ESTACION | SALALA |

| | | | | |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|
| CUENCA CHIRA | ESTACION SALALA | DEPARTAMENTO PIURA | LONGITUD 79° 27'27 | LATITUD 05° 06'6 |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|

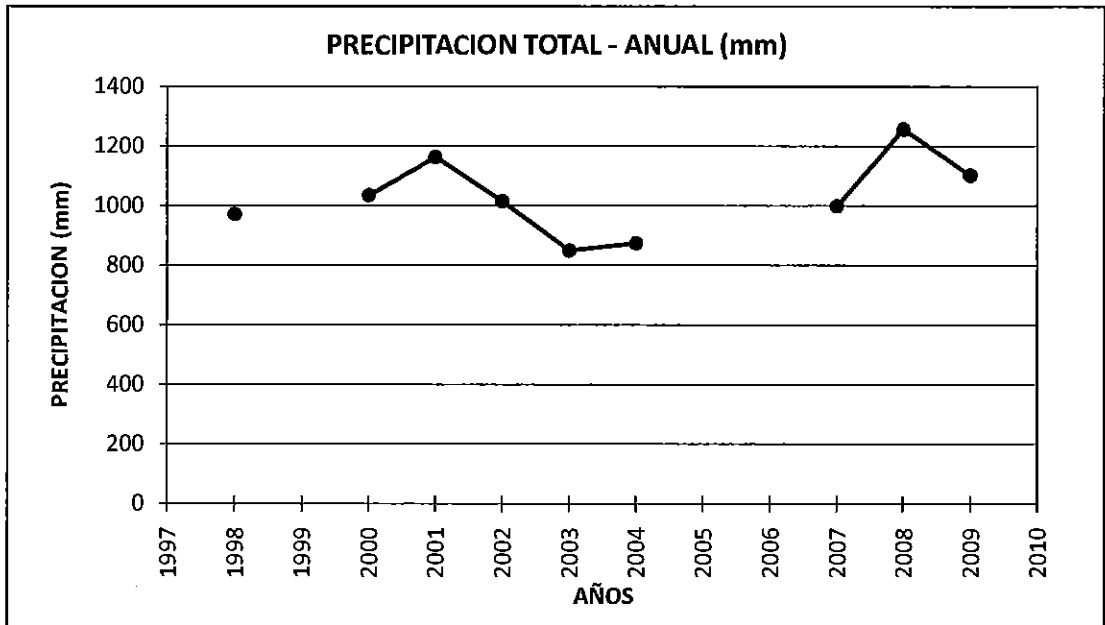
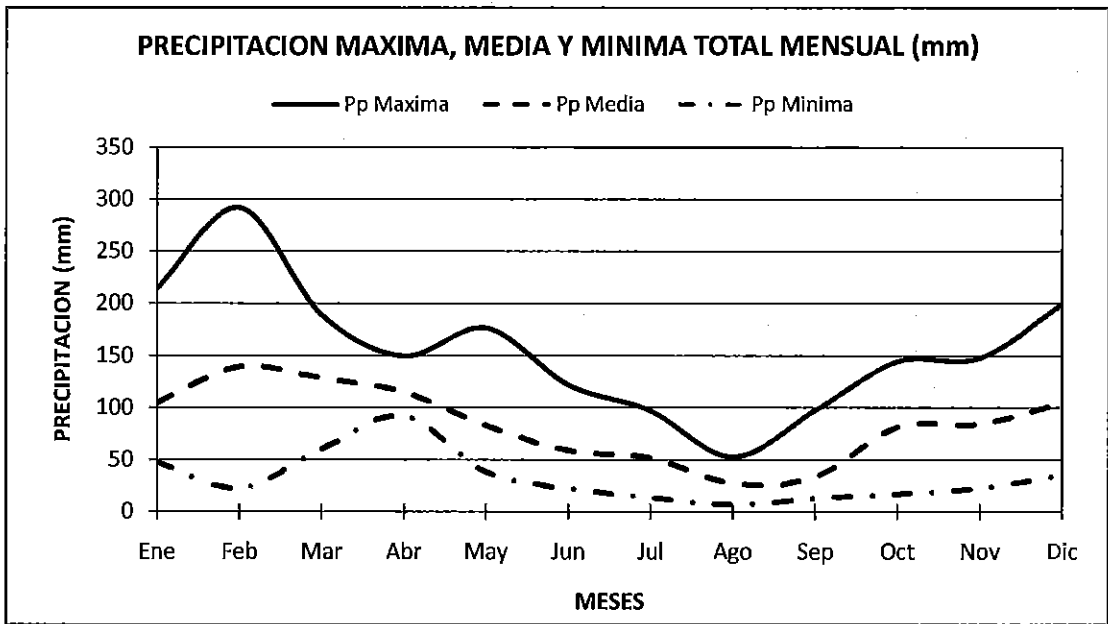


PRECIPITACION TOTAL MENSUAL (mm)

| | | | | |
|---------------|-----------------|---------------------|-----------------|----------------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | SALALA | PIURA | 79° 27'27" | 05° 06'6" |

| Año | Mes | | | | | | | | | | | | Total |
|-----------|-------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|--------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1997 | | | | | | | | | 25.1 | 55.7 | 142.5 | 97.5 | |
| 1998 | 96.0 | 133.4 | 152.4 | 97.6 | 102.1 | 60.9 | 58.0 | 23.1 | 16.3 | 124.0 | 55.5 | 51.3 | 970.6 |
| 1999 | 123.5 | | | 121.6 | 176.6 | 66.1 | 63.2 | 23.9 | 47.9 | 16.6 | 24.0 | 199.3 | |
| 2000 | 65.5 | 188.4 | 189.1 | 109.6 | 104.3 | 65.9 | 31.1 | 36.2 | 97.7 | 27.7 | 22.4 | 96.5 | 1034.4 |
| 2001 | 135.9 | 164.4 | 110.4 | 110.9 | 58.6 | 121.9 | 80.6 | 41.7 | 30.9 | 100.5 | 83.3 | 124.5 | 1163.6 |
| 2002 | 95.2 | 147.6 | 74.9 | 149.7 | 105.6 | 22.3 | 97.1 | 10.8 | 12.7 | 119.2 | 68.0 | 110.9 | 1014.0 |
| 2003 | 69.6 | 101.2 | 131.8 | 94.3 | 106.4 | 50.1 | 30.3 | 11.4 | 20.3 | 66.0 | 79.3 | 88.7 | 849.4 |
| 2004 | 47.6 | 22.2 | 106.6 | 133.6 | 58.7 | 66.3 | 62.5 | 20.8 | | 118.7 | 104.2 | 132.6 | 873.8 |
| 2005 | 73.4 | | 172.0 | 102.8 | 40.8 | 39.3 | 19.6 | 6.5 | 20.8 | 87.7 | 71.0 | | |
| 2006 | | | | 110.3 | 38.1 | 28.1 | 19.9 | 20.4 | 15.9 | 56.9 | 86.9 | 111.9 | |
| 2007 | 129.1 | 37.1 | 113.5 | 91.9 | 75.7 | 92.2 | 13.5 | | 24.5 | 144.4 | 147.7 | 99.0 | 999.0 |
| 2008 | 123.7 | 292.2 | 175.8 | 109.2 | 83.6 | 47.6 | 81.5 | 50.3 | 27.3 | 102.7 | 127.6 | 35.1 | 1256.6 |
| 2009 | 214.6 | 151.6 | 120.9 | 144.3 | 53.6 | 30.8 | 59.4 | 52.7 | 59.9 | 33.8 | 79.6 | 100.7 | 1101.9 |
| 2010 | 78.5 | 151.2 | 60.1 | | 67.2 | 68.3 | | | | | | | |
| Pp Maxima | 214.6 | 292.2 | 189.1 | 149.7 | 176.6 | 121.9 | 97.1 | 52.7 | 97.7 | 144.4 | 147.7 | 199.3 | 1256.6 |
| Pp Media | 104.4 | 138.9 | 128.0 | 114.7 | 82.4 | 58.4 | 51.4 | 27.1 | 33.3 | 81.1 | 84.0 | 104.0 | 1029.3 |
| Pp Minima | 47.6 | 22.2 | 60.1 | 91.9 | 38.1 | 22.3 | 13.5 | 6.5 | 12.7 | 16.6 | 22.4 | 35.1 | 849.4 |

| | | | | |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|
| CUENCA CHIRA | ESTACION SALALA | DEPARTAMENTO PIURA | LONGITUD 79° 27'27 | LATITUD 05° 06'6 |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|

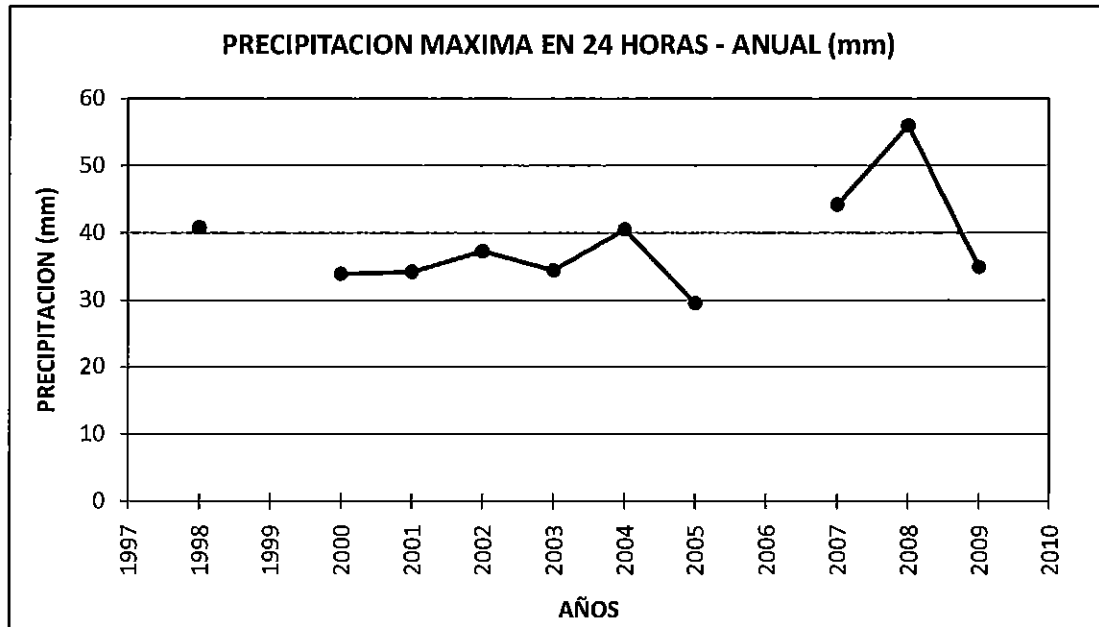


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|---------------|-----------------|---------------------|-----------------|----------------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | SALALA | PIURA | 79° 27'27 | 05° 06'6 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1997 | | | | | | | | | 9.8 | 23.7 | 30.8 | 17.3 | |
| 1998 | 25.4 | 32.0 | 40.8 | 19.9 | 13.5 | 17.4 | 14.0 | 3.8 | 6.4 | 28.5 | 15.1 | 14.4 | 40.8 |
| 1999 | 24.4 | | | 22.4 | 40.5 | 18.5 | 14.9 | 8.7 | 15.5 | 7.2 | 5.6 | 31.3 | |
| 2000 | 19.0 | 33.9 | 29.7 | 16.0 | 20.3 | 16.9 | 6.5 | 8.6 | 18.9 | 12.2 | 6.5 | 21.8 | 33.9 |
| 2001 | 34.2 | 27.4 | 22.7 | 27.5 | 10.3 | 28.1 | 23.3 | 13.0 | 7.9 | 21.8 | 30.2 | 30.1 | 34.2 |
| 2002 | 22.0 | 27.1 | 18.5 | 25.6 | 37.3 | 4.3 | 21.6 | 4.0 | 3.8 | 37.0 | 12.7 | 28.7 | 37.3 |
| 2003 | 15.2 | 13.9 | 22.3 | 34.4 | 19.6 | 12.5 | 9.9 | 4.2 | 6.4 | 19.4 | 31.5 | 21.2 | 34.4 |
| 2004 | 20.6 | 5.7 | 28.7 | 40.5 | 15.6 | 15.7 | 13.6 | 6.5 | | 30.2 | 15.4 | 27.7 | 40.5 |
| 2005 | 24.2 | | 29.4 | 29.5 | 8.3 | 10.1 | 6.2 | 2.3 | 6.4 | 18.5 | 17.3 | | 29.5 |
| 2006 | | | | 30.3 | 9.3 | 5.6 | 4.1 | 8.3 | 3.3 | 18.7 | 30.5 | 21.9 | |
| 2007 | 34.8 | 9.9 | 30.4 | 16.1 | 15.0 | 13.5 | 6.0 | 10.0 | 6.0 | 44.2 | 28.1 | 18.1 | 44.2 |
| 2008 | 11.0 | 56.0 | 49.5 | 13.2 | 18.8 | 11.1 | 12.0 | 9.8 | 4.3 | 15.2 | 31.7 | 7.8 | 56.0 |
| 2009 | 34.9 | 20.0 | 30.2 | 30.2 | 10.5 | 7.6 | 18.3 | 10.6 | 27.8 | 11.2 | 15.2 | 13.8 | 34.9 |
| 2010 | 20.8 | 41.0 | 10.2 | | 14.1 | 11.8 | | | | | | | |

| | | | | |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|
| CUENCA CHIRA | ESTACION SALALA | DEPARTAMENTO PIURA | LONGITUD 79° 27'27 | LATITUD 05° 06'6 |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|



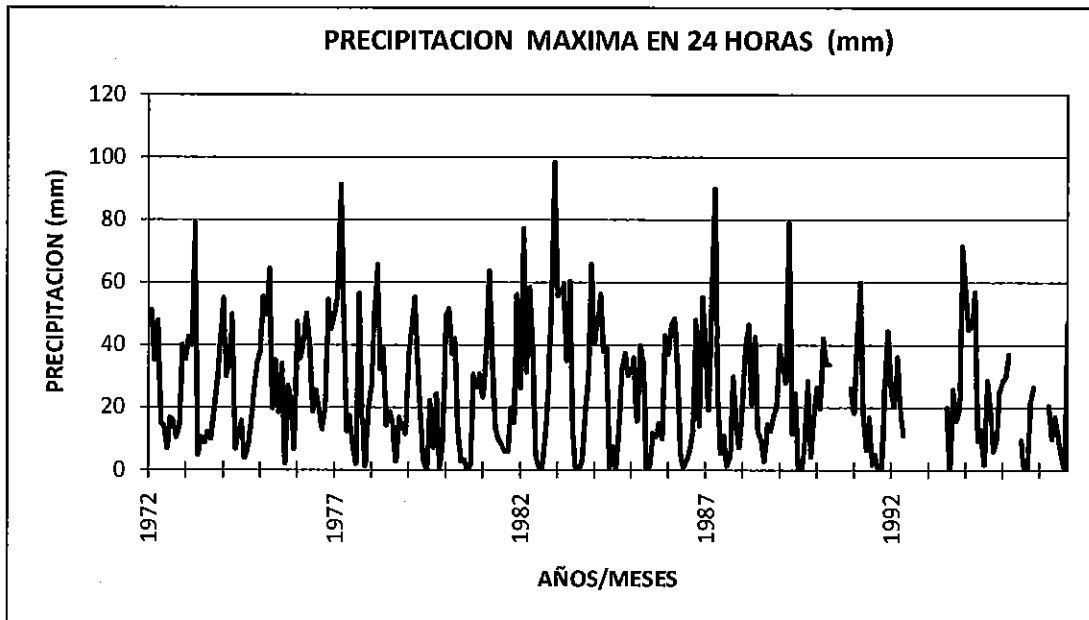
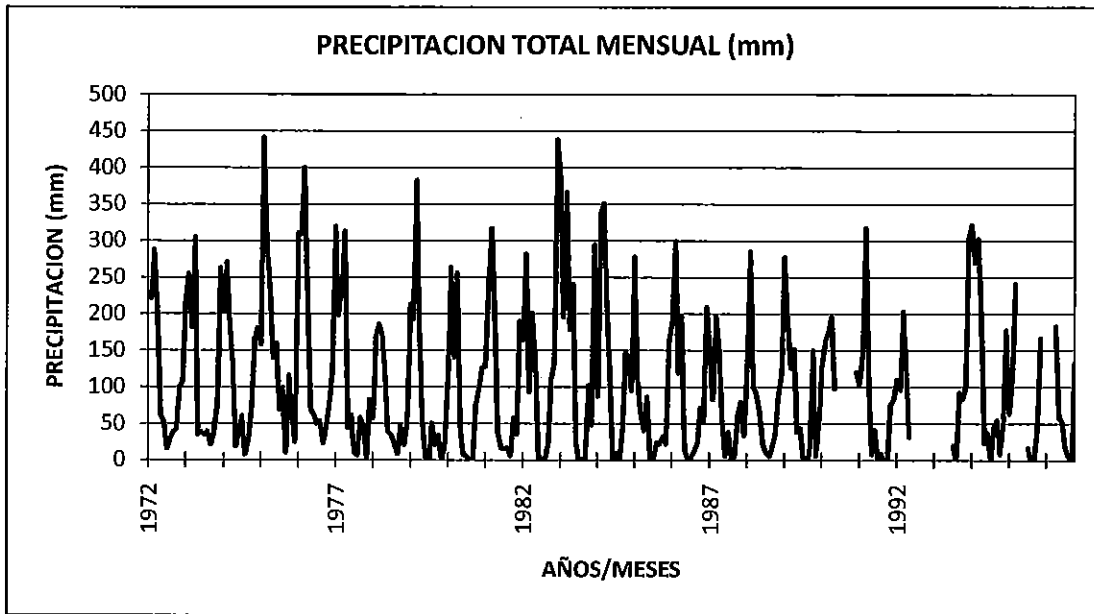
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|
| CUENCA CHIRA | ESTACION SALALA | DEPARTAMENTO PIURA | LONGITUD 79° 27'27 | LATITUD 05° 06'6 |
|-----------------|--------------------|-----------------------|-----------------------|---------------------|

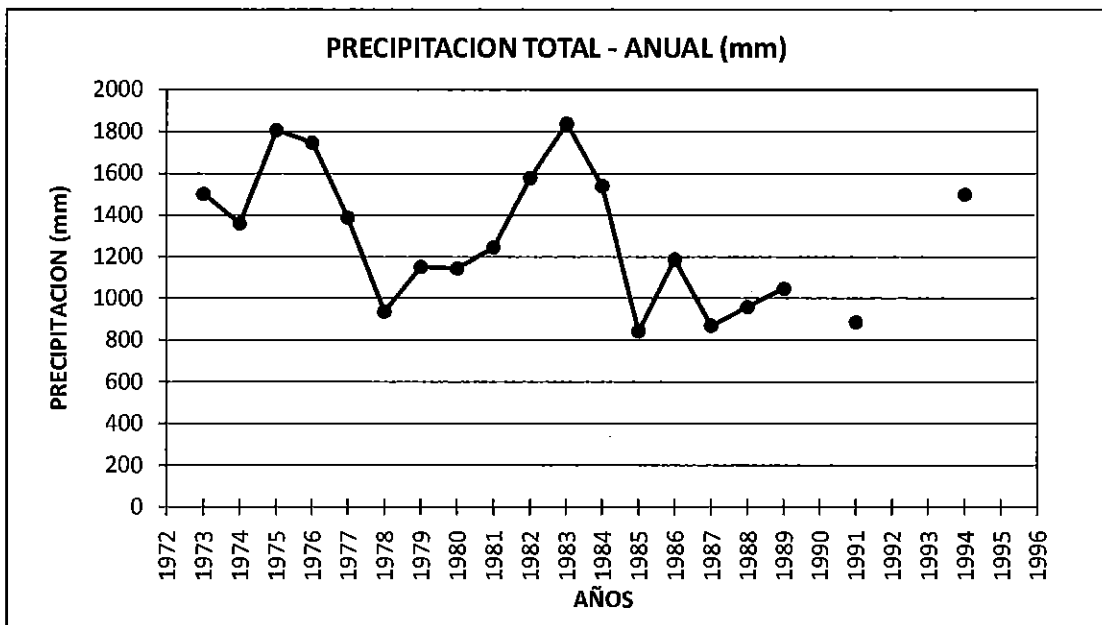
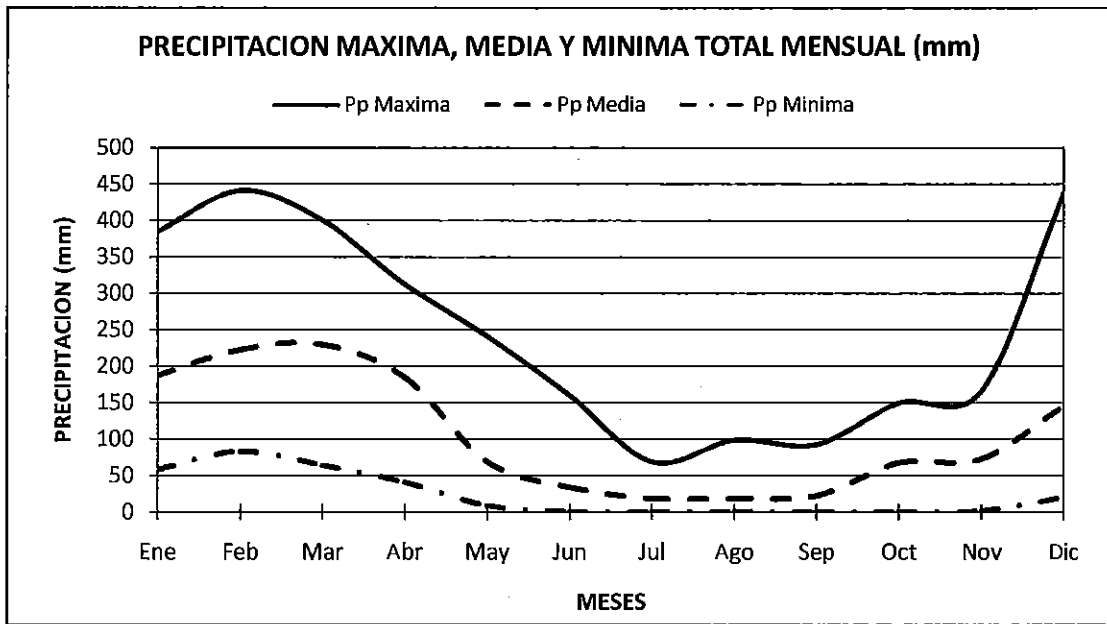
| Año | Total |
|------|--------|
| 1997 | |
| 1998 | 970.6 |
| 1999 | |
| 2000 | 1034.4 |
| 2001 | 1163.6 |
| 2002 | 1014.0 |
| 2003 | 849.4 |
| 2004 | 873.8 |
| 2005 | |
| 2006 | |
| 2007 | 999.0 |
| 2008 | 1256.6 |
| 2009 | 1101.9 |
| 2010 | |

| | |
|-----------------|-------------------------------|
| CUENCA | CHIRA |
| ESTACION | SAN JUAN DE LOS ALISOS |

| | | | | |
|-----------------|--------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION N JUAN DE LOS ALIS | DEPARTAMENTO PIURA | LONGITUD 79° 32'1 | LATITUD 04° 58'1 |
|-----------------|--------------------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|--------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION N JUAN DE LOS ALIS | DEPARTAMENTO PIURA | LONGITUD 79° 32'1 | LATITUD 04° 58'1 |
|-----------------|--------------------------------|-----------------------|----------------------|---------------------|

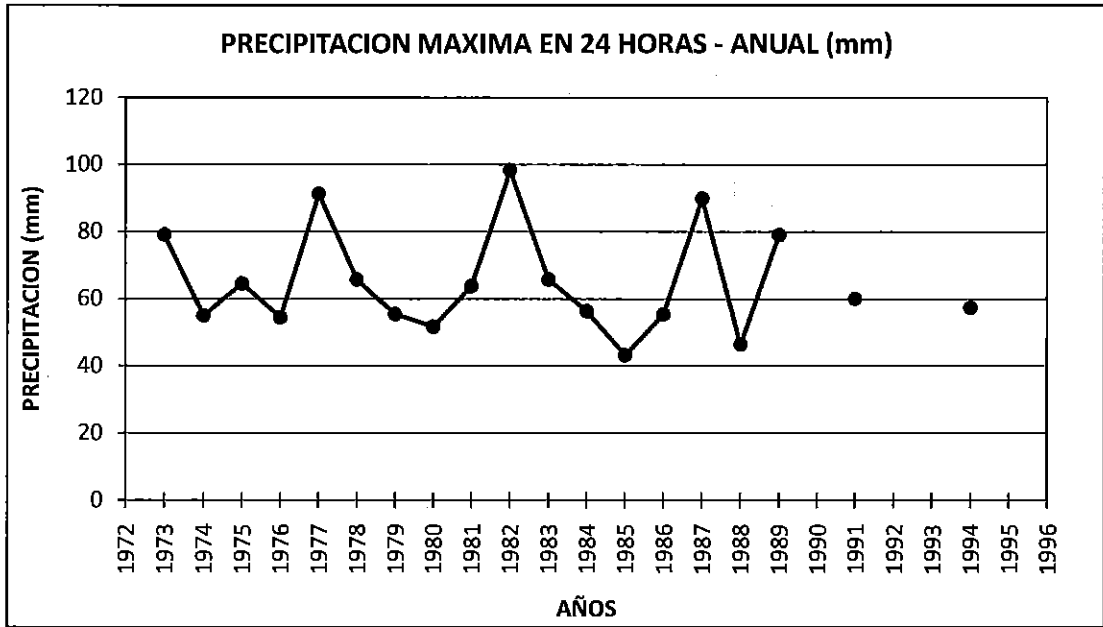


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|--------------------|--------------|----------|----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | N JUAN DE LOS ALIS | PIURA | 79° 32'1 | 04° 58'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1972 | | 51.3 | 35.1 | 47.9 | 15.0 | 14.1 | 6.8 | 16.7 | 15.9 | 10.5 | 14.3 | 40.2 | |
| 1973 | 35.6 | 42.6 | 40.0 | 79.2 | 4.8 | 10.6 | 8.7 | 12.2 | 10.0 | 18.7 | 28.2 | 41.6 | 79.2 |
| 1974 | 55.0 | 30.1 | 33.7 | 49.8 | 6.8 | 11.9 | 15.7 | 3.9 | 7.4 | 14.8 | 26.3 | 34.2 | 55.0 |
| 1975 | 38.0 | 55.6 | 49.8 | 64.5 | 19.8 | 35.2 | 18.5 | 34.0 | 2.2 | 27.0 | 22.9 | 6.6 | 64.5 |
| 1976 | 47.4 | 35.8 | 41.8 | 50.1 | 39.1 | 18.7 | 25.5 | 20.0 | 13.1 | 20.0 | 54.5 | 45.3 | 54.5 |
| 1977 | 50.0 | 55.7 | 91.4 | 50.8 | 12.5 | 17.4 | 7.9 | 2.0 | 56.6 | 19.0 | 1.3 | 19.3 | 91.4 |
| 1978 | 27.1 | 50.4 | 65.8 | 32.4 | 38.9 | 14.3 | 18.6 | 15.2 | 2.7 | 16.8 | 13.9 | 11.7 | 65.8 |
| 1979 | 36.3 | 45.0 | 55.4 | 34.8 | 17.1 | 2.8 | 0.3 | 22.2 | 7.2 | 24.4 | 1.0 | 8.7 | 55.4 |
| 1980 | 49.6 | 51.7 | 37.3 | 42.0 | 12.2 | 2.7 | 3.1 | 0.2 | 1.7 | 30.5 | 26.5 | 30.7 | 51.7 |
| 1981 | 23.4 | 35.7 | 63.8 | 34.8 | 13.3 | 9.8 | 8.2 | 6.0 | 6.0 | 19.9 | 15.0 | 56.2 | 63.8 |
| 1982 | 26.1 | 77.3 | 31.4 | 58.5 | 38.8 | 4.7 | 1.0 | 0.7 | 10.0 | 24.2 | 56.7 | 98.4 | 98.4 |
| 1983 | 55.8 | 56.7 | 59.6 | 35.0 | 60.4 | 13.0 | 0.0 | 0.0 | 3.4 | 18.1 | 30.0 | 65.8 | 65.8 |
| 1984 | 40.5 | 48.1 | 56.3 | 38.0 | 39.1 | 0.9 | 7.6 | 0.0 | 13.3 | 32.0 | 37.4 | 30.4 | 56.3 |
| 1985 | 31.4 | 35.9 | 15.7 | 39.8 | 33.2 | 0.0 | 1.7 | 11.9 | 10.6 | 14.9 | 10.1 | 43.2 | 43.2 |
| 1986 | 37.3 | 46.4 | 48.5 | 33.2 | 5.1 | 0.8 | 3.6 | 6.4 | 13.5 | 48.1 | 14.2 | 55.4 | 55.4 |
| 1987 | 40.3 | 19.3 | 56.7 | 90.0 | 22.6 | 5.5 | 11.0 | 1.5 | 4.6 | 29.8 | 14.5 | 7.3 | 90.0 |
| 1988 | 21.8 | 40.3 | 46.4 | 21.0 | 42.6 | 12.3 | 9.6 | 2.8 | 14.6 | 12.6 | 17.1 | 20.3 | 46.4 |
| 1989 | 40.0 | 33.4 | 28.0 | 79.1 | 11.7 | 24.5 | 0.0 | 0.0 | 7.9 | 28.5 | 4.4 | 17.2 | 79.1 |
| 1990 | 26.2 | 19.6 | 42.1 | 33.7 | 33.7 | | | | | | | 26.2 | |
| 1991 | 18.3 | 41.4 | 60.1 | 19.0 | 6.4 | 16.8 | 1.8 | 4.9 | 0.0 | 0.0 | 26.1 | 44.4 | 60.1 |
| 1992 | 25.5 | 20.5 | 36.1 | 19.4 | 11.1 | | | | | | | 45.0 | |
| 1993 | | | | | | | 20.0 | 0.6 | 25.7 | 16.0 | 19.7 | 71.5 | |
| 1994 | 57.4 | 45.0 | 46.0 | 57.0 | 9.5 | 13.0 | 1.9 | 28.6 | 19.5 | 6.1 | 9.5 | 25.0 | 57.4 |
| 1995 | 28.4 | 29.8 | 37.0 | | | | 9.6 | 0.0 | 0.0 | 21.7 | 26.5 | | |
| 1996 | | | | 20.5 | 10.0 | 17.0 | 11.0 | 5.0 | 0.0 | 46.6 | | | |

| | | | | |
|-----------------|--------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION N JUAN DE LOS ALIS | DEPARTAMENTO PIURA | LONGITUD 79° 32'1 | LATITUD 04° 58'1 |
|-----------------|--------------------------------|-----------------------|----------------------|---------------------|



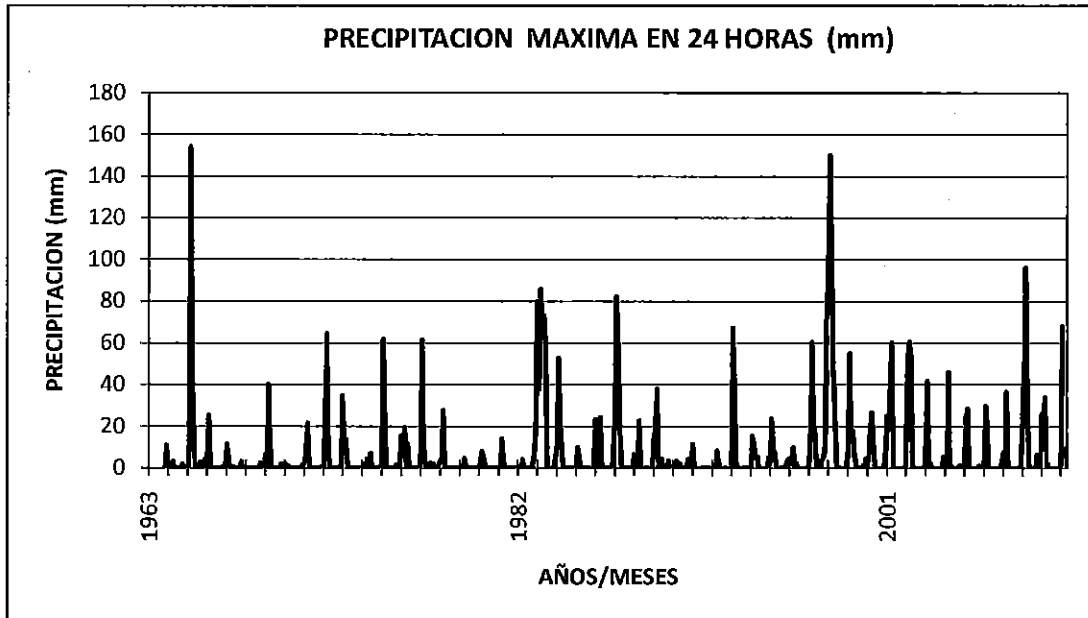
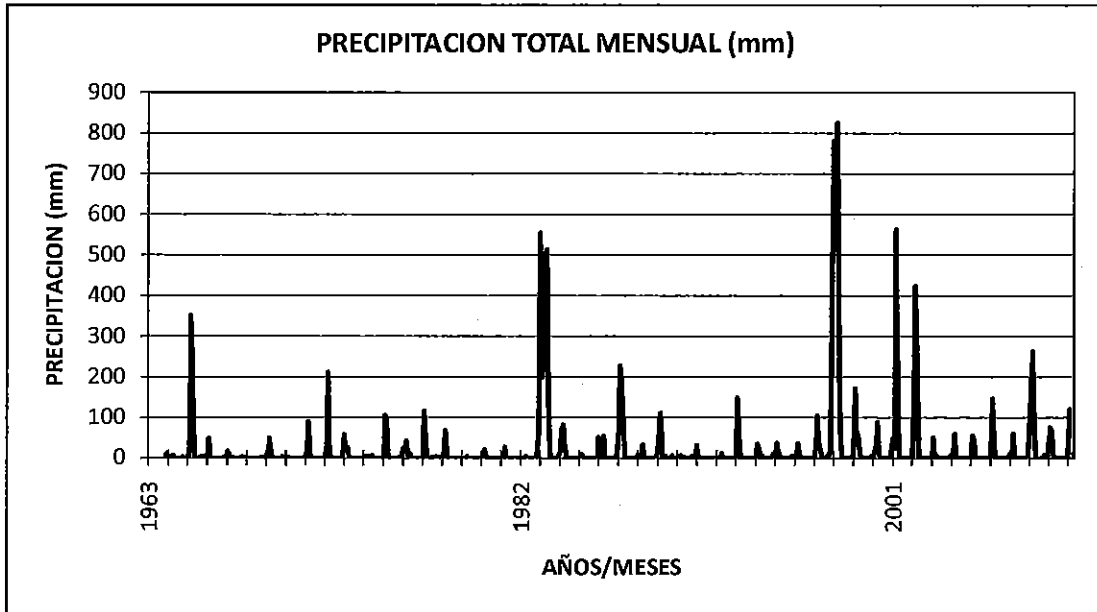
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|----------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION AN JUAN DE LOS ALISO | DEPARTAMENTO PIURA | LONGITUD 79° 32'1 | LATITUD 04° 58'1 |
|-----------------|----------------------------------|-----------------------|----------------------|---------------------|

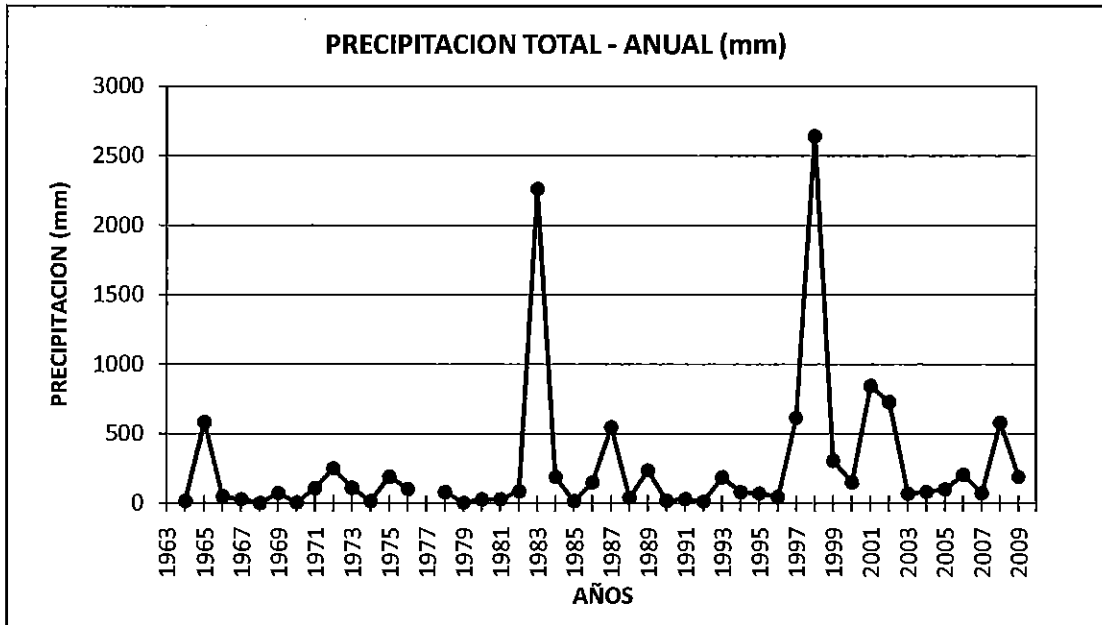
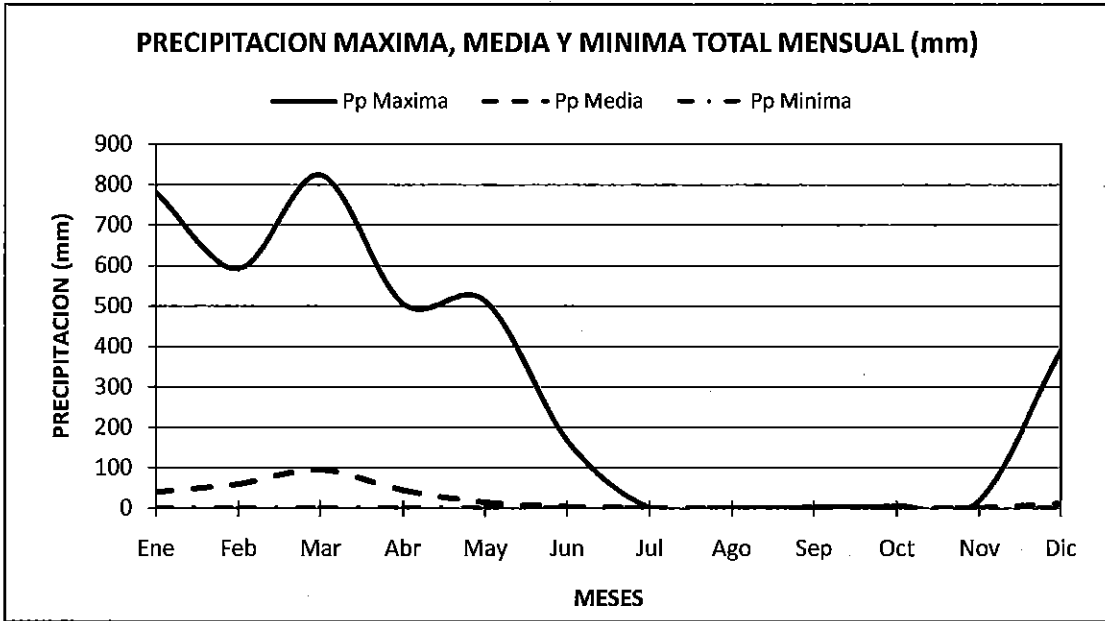
| Año | Total |
|------|--------|
| 1972 | |
| 1973 | 1501.8 |
| 1974 | 1359.9 |
| 1975 | 1808.0 |
| 1976 | 1747.2 |
| 1977 | 1387.3 |
| 1978 | 936.5 |
| 1979 | 1150.7 |
| 1980 | 1143.1 |
| 1981 | 1246.0 |
| 1982 | 1579.0 |
| 1983 | 1838.7 |
| 1984 | 1539.3 |
| 1985 | 842.7 |
| 1986 | 1188.4 |
| 1987 | 869.1 |
| 1988 | 959.2 |
| 1989 | 1046.8 |
| 1990 | |
| 1991 | 887.1 |
| 1992 | |
| 1993 | |
| 1994 | 1498.7 |
| 1995 | |
| 1996 | |

| | |
|---------|----------|
| CHIRA | CUENCA |
| PANANGA | ESTACION |

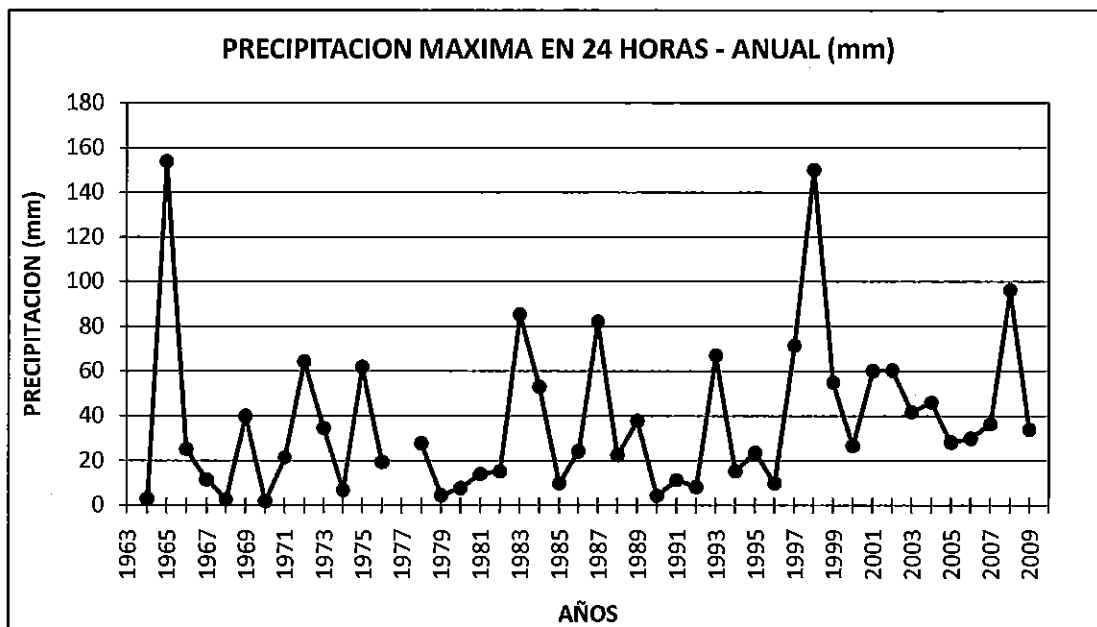
| | | | | |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION PANANGA | DEPARTAMENTO PIURA | LONGITUD 80° 53'53 | LATITUD 04° 33'33 |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|



| | | | | |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION PANANGA | DEPARTAMENTO PIURA | LONGITUD 80° 53'53 | LATITUD 04° 33'33 |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|



| | | | | |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION PANANGA | DEPARTAMENTO PIURA | LONGITUD 80° 53'53 | LATITUD 04° 33'33 |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|



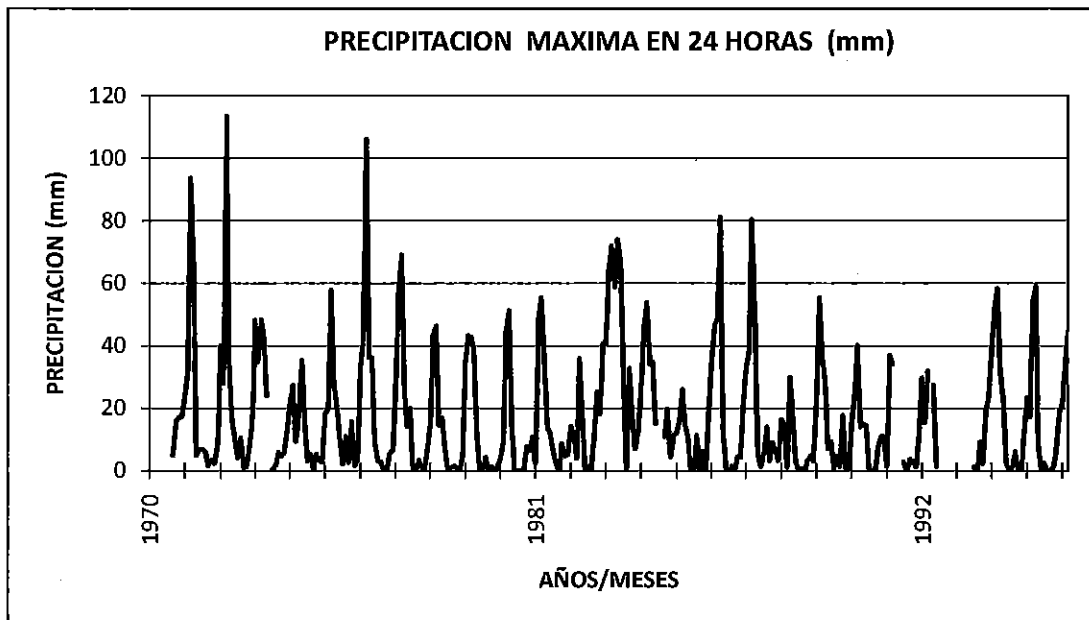
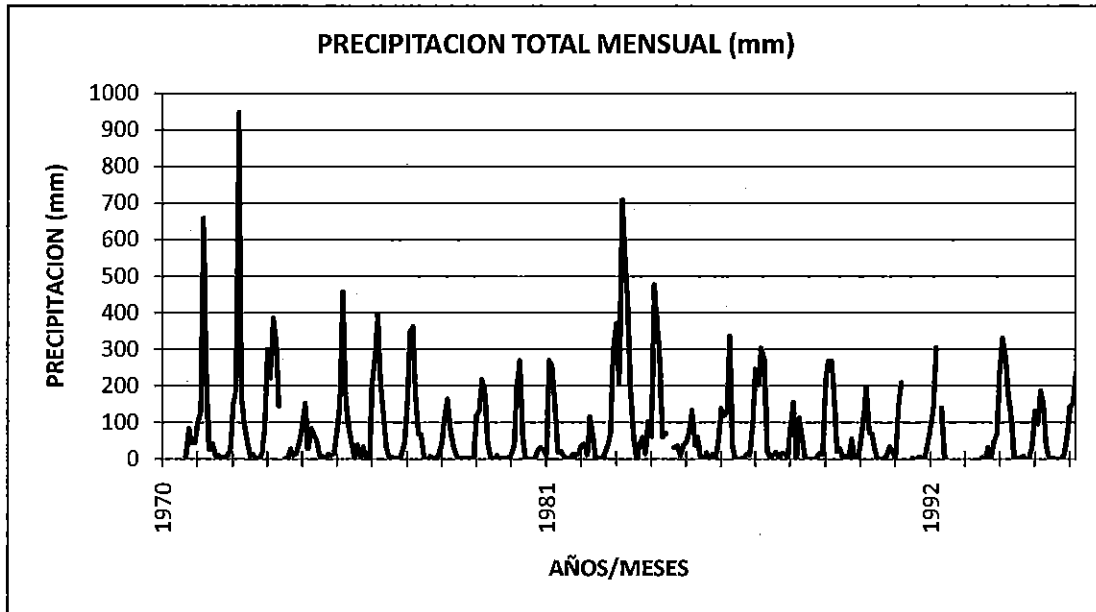
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION PANANGA | DEPARTAMENTO PIURA | LONGITUD 80° 53'53 | LATITUD 04° 33'33 |
|-----------------|---------------------|-----------------------|-----------------------|----------------------|

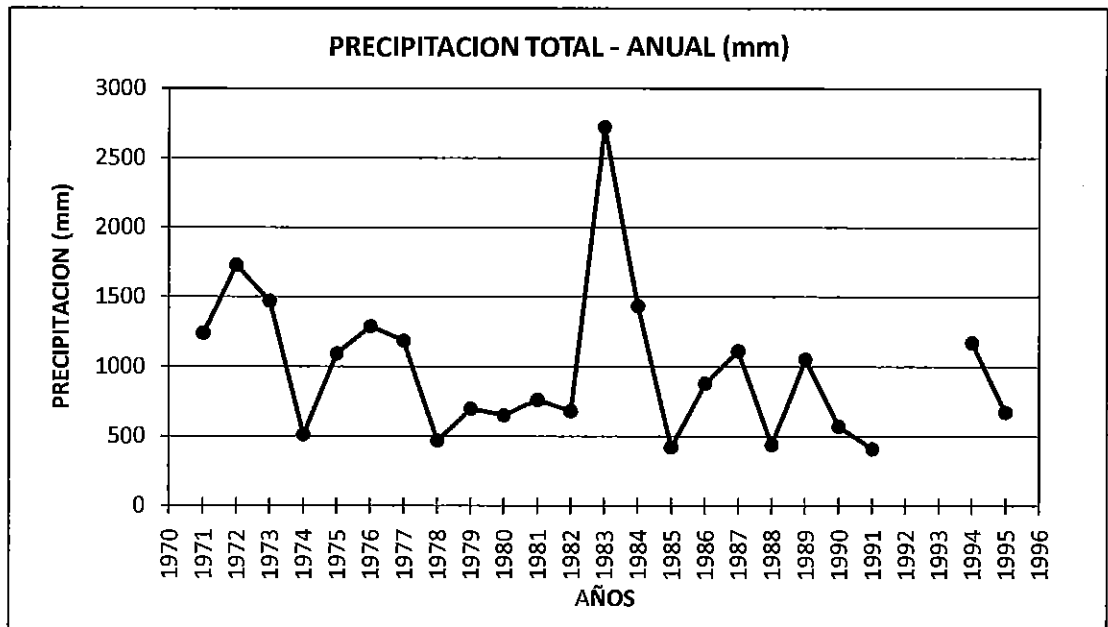
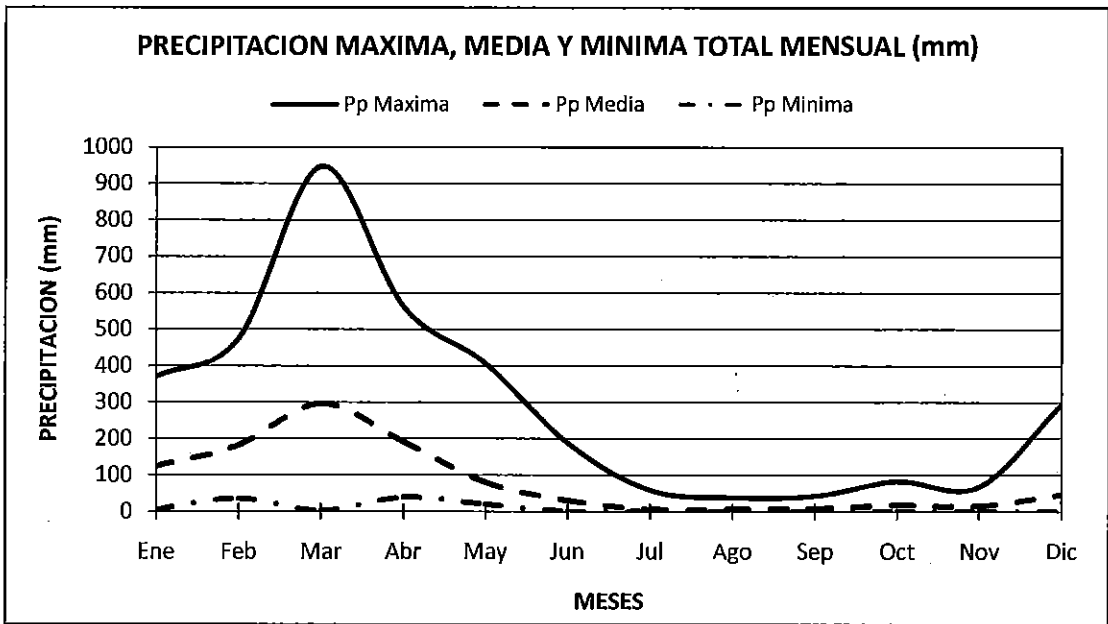
| Año | Total |
|------|--------|
| 1963 | |
| 1964 | 15.9 |
| 1965 | 584.7 |
| 1966 | 51.4 |
| 1967 | 30.3 |
| 1968 | 2.8 |
| 1969 | 74.6 |
| 1970 | 8.0 |
| 1971 | 108.8 |
| 1972 | 251.2 |
| 1973 | 110.7 |
| 1974 | 15.7 |
| 1975 | 193.0 |
| 1976 | 103.1 |
| 1977 | |
| 1978 | 82.3 |
| 1979 | 4.6 |
| 1980 | 29.2 |
| 1981 | 30.5 |
| 1982 | 85.8 |
| 1983 | 2260.5 |
| 1984 | 189.5 |
| 1985 | 16.4 |
| 1986 | 150.2 |
| 1987 | 547.4 |
| 1988 | 41.8 |
| 1989 | 236.3 |
| 1990 | 18.0 |
| 1991 | 31.9 |
| 1992 | 14.7 |
| 1993 | 186.5 |
| 1994 | 81.0 |
| 1995 | 70.2 |
| 1996 | 47.2 |
| 1997 | 615.7 |
| 1998 | 2640.4 |
| 1999 | 307.6 |
| 2000 | 151.2 |
| 2001 | 846.4 |
| 2002 | 727.6 |
| 2003 | 68.3 |
| 2004 | 83.5 |
| 2005 | 100.9 |
| 2006 | 205.0 |
| 2007 | 71.1 |
| 2008 | 581.0 |
| 2009 | 190.5 |
| 2010 | |

| | |
|----------|---------|
| CUENCA | CHIRA |
| ESTACION | MONTERO |

| | | | | |
|-----------------|---------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION MONTERO | DEPARTAMENTO PIURA | LONGITUD 79° 50'1 | LATITUD 04° 38'1 |
|-----------------|---------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|---------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION MONTERO | DEPARTAMENTO PIURA | LONGITUD 79° 50'1 | LATITUD 04° 38'1 |
|-----------------|---------------------|-----------------------|----------------------|---------------------|

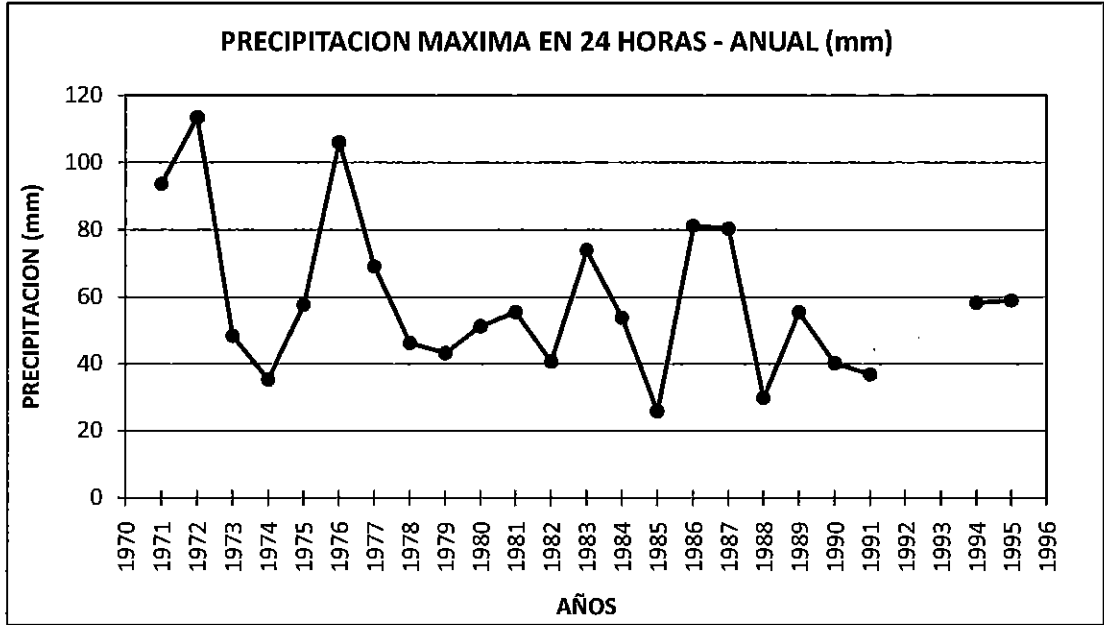


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|----------|--------------|----------|----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | MONTERO | PIURA | 79° 50'1 | 04° 38'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1970 | | | | 15.0 | | | | | 5.0 | 16.0 | 17.0 | 17.6 | |
| 1971 | 24.0 | 31.8 | 93.7 | 65.5 | 5.0 | 6.8 | 6.8 | 6.0 | 1.8 | 3.5 | 2.3 | 8.9 | 93.7 |
| 1972 | 40.0 | 28.0 | 113.5 | 35.0 | 16.1 | 10.3 | 4.2 | 10.4 | 1.1 | 1.3 | 8.5 | 16.5 | 113.5 |
| 1973 | 48.3 | 34.9 | 48.4 | 44.0 | 24.1 | | 0.6 | 1.9 | 5.9 | 4.7 | 5.9 | 13.3 | 48.4 |
| 1974 | 21.8 | 27.4 | 9.5 | 18.8 | 35.3 | 15.4 | 3.1 | 5.2 | 0.6 | 5.3 | 3.3 | 2.8 | 35.3 |
| 1975 | 18.2 | 20.0 | 57.8 | 27.6 | 20.3 | 11.3 | 2.1 | 10.9 | 2.7 | 15.8 | 1.7 | 3.6 | 57.8 |
| 1976 | 33.9 | 41.4 | 106.1 | 36.3 | 36.2 | 9.1 | 3.2 | 2.8 | 0.5 | 0.7 | 5.4 | 6.7 | 106.1 |
| 1977 | 27.9 | 57.2 | 69.1 | 25.1 | 14.3 | 20.1 | 0.4 | 0.0 | 3.4 | 1.3 | 0.4 | 7.6 | 69.1 |
| 1978 | 15.5 | 43.7 | 46.3 | 14.6 | 16.9 | 7.4 | 0.0 | 1.1 | 1.7 | 1.0 | 0.4 | 4.2 | 46.3 |
| 1979 | 34.7 | 43.3 | 42.7 | 38.3 | 11.5 | 0.4 | 0.6 | 4.3 | 0.0 | 1.5 | 0.0 | 1.9 | 43.3 |
| 1980 | 3.7 | 9.5 | 45.1 | 51.3 | 15.5 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 6.6 | 10.7 | 51.3 |
| 1981 | 2.4 | 49.4 | 55.5 | 34.9 | 13.7 | 12.2 | 6.1 | 2.4 | 0.0 | 8.6 | 4.8 | 5.3 | 55.5 |
| 1982 | 14.2 | 11.7 | 4.0 | 35.9 | 15.6 | 0.0 | 1.6 | 0.0 | 11.3 | 25.3 | 18.2 | 40.7 | 40.7 |
| 1983 | 41.1 | 64.5 | 72.0 | 58.9 | 74.0 | 66.5 | 31.1 | 0.7 | 32.7 | 15.9 | 7.0 | 13.1 | 74.0 |
| 1984 | 27.1 | 46.7 | 53.8 | 34.1 | 34.7 | 15.1 | | | 10.9 | 19.7 | 4.5 | 11.4 | 53.8 |
| 1985 | 12.1 | 15.8 | 25.9 | 14.9 | 10.6 | 0.0 | 0.0 | 11.2 | 0.4 | 6.1 | 0.3 | 18.2 | 25.9 |
| 1986 | 34.6 | 46.7 | 48.6 | 81.2 | 13.5 | 0.0 | 0.0 | 1.5 | 0.0 | 4.6 | 4.4 | 21.1 | 81.2 |
| 1987 | 32.8 | 38.2 | 80.4 | 49.7 | 5.6 | 1.5 | 6.0 | 14.0 | 3.3 | 9.0 | 5.9 | 3.4 | 80.4 |
| 1988 | 16.4 | 15.0 | 1.2 | 29.9 | 15.0 | 2.8 | 0.0 | 0.8 | 0.0 | 3.2 | 4.7 | 3.1 | 29.9 |
| 1989 | 24.1 | 55.5 | 36.0 | 28.2 | 7.0 | 9.3 | 1.0 | 4.8 | 1.5 | 17.7 | 1.1 | 0.0 | 55.5 |
| 1990 | 15.4 | 23.8 | 40.2 | 14.1 | 14.9 | 14.4 | 0.0 | 0.0 | 0.0 | 7.7 | 10.9 | 10.9 | 40.2 |
| 1991 | 1.6 | 36.9 | 34.2 | | | | 2.8 | 0.0 | 3.7 | 2.9 | 1.4 | 11.7 | 36.9 |
| 1992 | 29.7 | 15.5 | 31.9 | | 27.4 | 1.5 | | | | | | | |
| 1993 | | | | | | | 1.2 | 0.0 | 9.2 | 2.3 | 19.5 | 23.1 | |
| 1994 | 38.9 | 52.4 | 58.3 | 31.7 | 21.9 | 2.6 | 0.0 | 1.4 | 6.1 | 0.1 | 0.2 | 11.4 | 58.3 |
| 1995 | 23.4 | 17.4 | 54.1 | 59.0 | 8.3 | 0.0 | 2.4 | 0.1 | 0.0 | 1.1 | 6.1 | 18.7 | 59.0 |
| 1996 | 21.3 | 34.1 | 44.8 | | | | | | | | | | |

| | | | | |
|-----------------|---------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION MONTERO | DEPARTAMENTO PIURA | LONGITUD 79° 50'1 | LATITUD 04° 38'1 |
|-----------------|---------------------|-----------------------|----------------------|---------------------|



PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|---------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION MONTERO | DEPARTAMENTO PIURA | LONGITUD 79° 50'1 | LATITUD 04° 38'1 |
|-----------------|---------------------|-----------------------|----------------------|---------------------|

| Año | Total |
|------|--------|
| 1970 | |
| 1971 | 1242.9 |
| 1972 | 1732.7 |
| 1973 | 1472.4 |
| 1974 | 513.1 |
| 1975 | 1094.5 |
| 1976 | 1291.2 |
| 1977 | 1187.6 |
| 1978 | 470.2 |
| 1979 | 697.7 |
| 1980 | 651.2 |
| 1981 | 764.4 |
| 1982 | 681.8 |
| 1983 | 2724.9 |
| 1984 | 1436.8 |
| 1985 | 423.8 |
| 1986 | 881.9 |
| 1987 | 1114.5 |
| 1988 | 441.9 |
| 1989 | 1054.2 |
| 1990 | 573.1 |
| 1991 | 411.1 |
| 1992 | |
| 1993 | |
| 1994 | 1174.3 |
| 1995 | 675.1 |
| 1996 | |

| | |
|----------|----------|
| CUENCA | CHIRA |
| ESTACION | MALLARES |

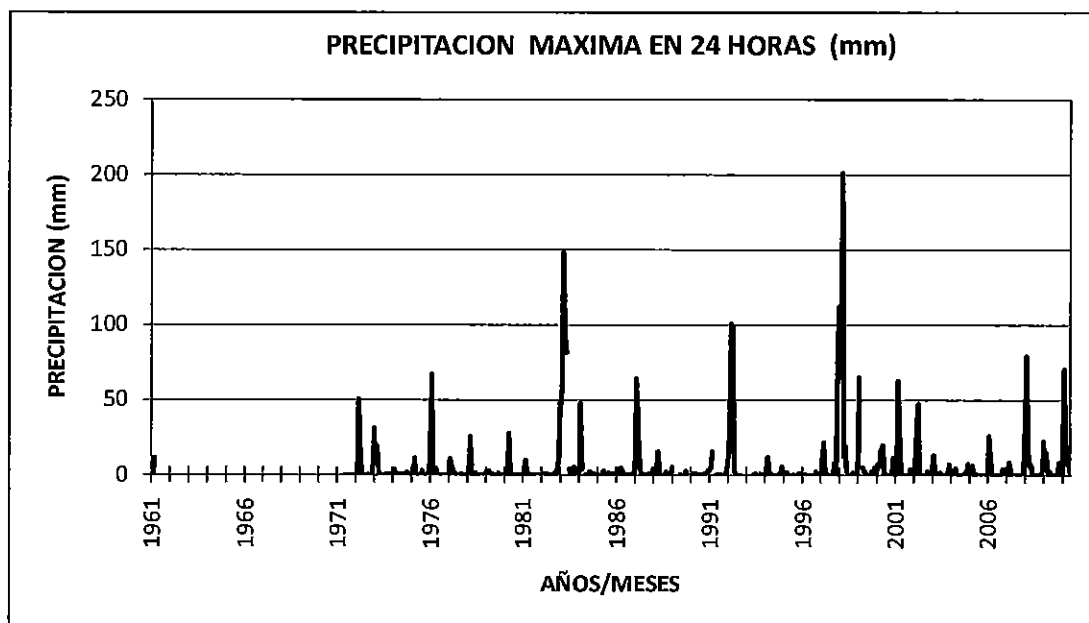
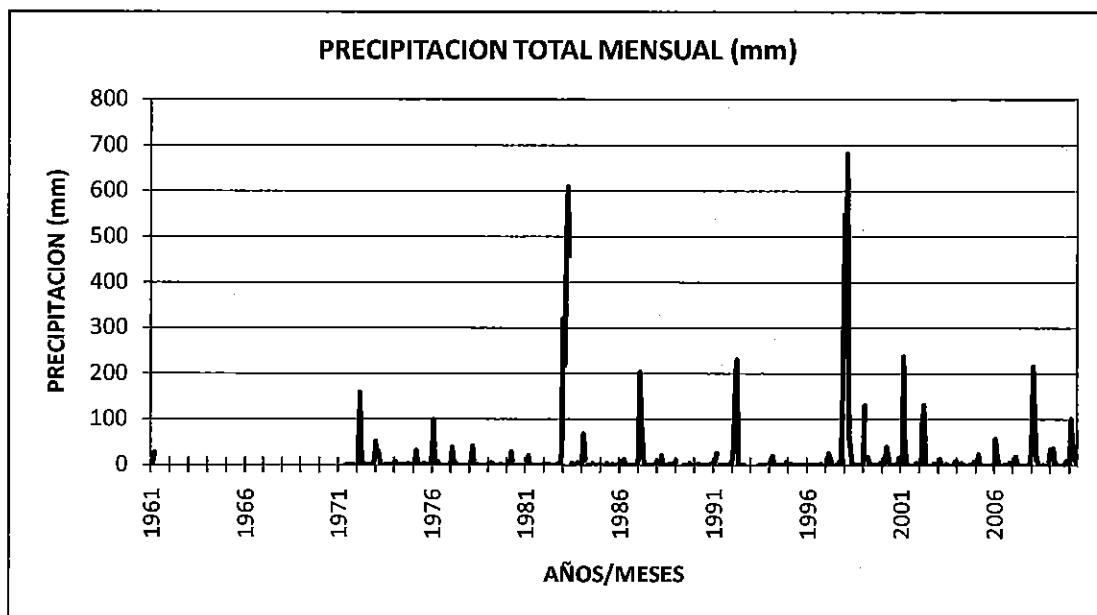
PRECIPITACION DIARIA (mm)
(Registro SENAMHI)

| | | | |
|----------|--------------|-------------|-------------|
| ESTACION | DEPARTAMENTO | LONGTUD | LATITUD |
| MALLARES | PIURA | 80° 44' 44" | 04° 51' 51" |

| Año | Mes | Días | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | | | | | | | | | | | | |
|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|--------|-------|--------|-----|------|------|-----|-----|-----|-----|-----|--|--|--|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | | | | | | | |
| 1961 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.2 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | 7.1 | 0.0 | 20.6 | 7.6 | 0.7 | 0.0 | | | | | | | |
| | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | |
| | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 11.4 | 11.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.0 | 11.4 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Año | Mes | Días | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | |
|------|------|------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|--------|-------|--------|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | |
| 1966 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1967 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1968 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1969 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1970 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1971 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION MALLARES | DEPARTAMENTO PIURA | LONGITUD 80° 44'44 | LATITUD 04° 51'51 |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|

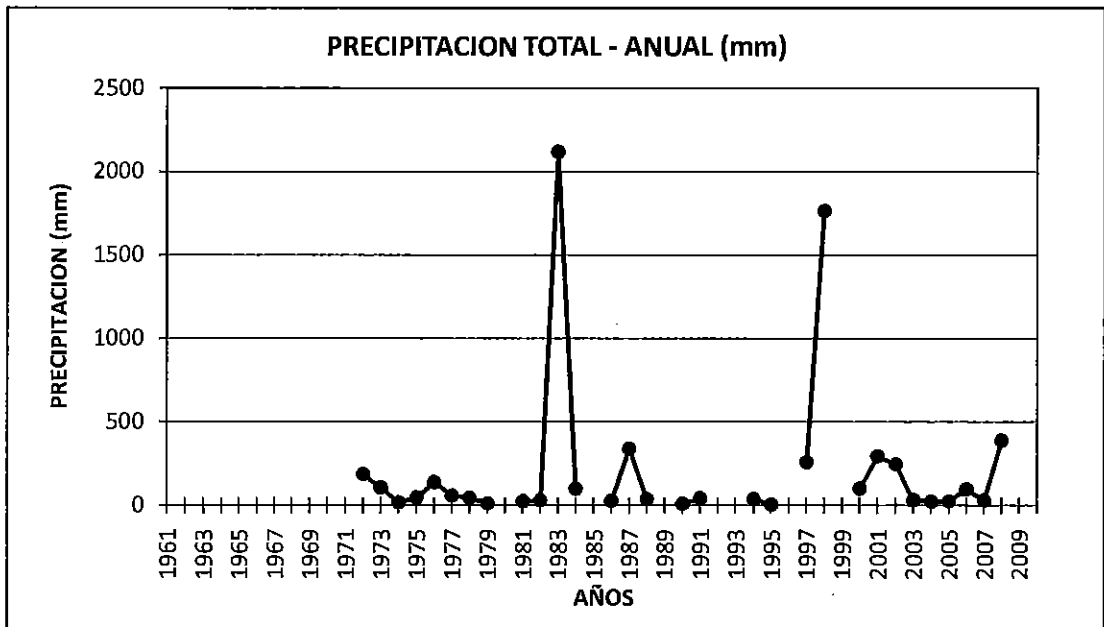
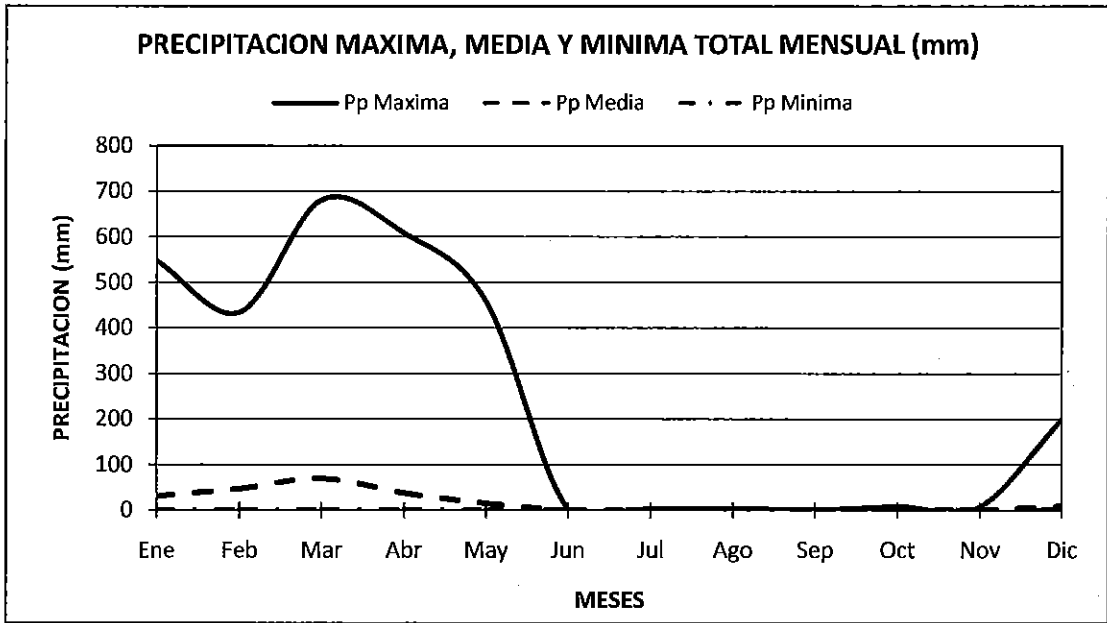


PRECIPITACION TOTAL MENSUAL (mm)

| | | | | |
|---------------|-----------------|---------------------|-----------------|----------------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | MALLARES | PIURA | 80° 44'44 | 04° 51'51 |

| Año | Mes | | | | | | | | | | | | Total |
|-----------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-------|--------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1961 | 20.6 | 1.8 | 28.0 | | | | | | | | | | |
| 1962 | | | | | | | | | | | | | |
| 1963 | | | | | | | | | | | | | |
| 1964 | | | | | | | | | | | | | |
| 1965 | | | | | | | | | | | | | |
| 1966 | | | | | | | | | | | | | |
| 1967 | | | | | | | | | | | | | |
| 1968 | | | | | | | | | | | | | |
| 1969 | | | | | | | | | | | | | |
| 1970 | | | | | | | | | | | | | |
| 1971 | | | | | | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1972 | 0.0 | 0.2 | 158.4 | 18.0 | 1.3 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 7.6 | 186.0 |
| 1973 | 50.7 | 17.1 | 29.8 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.2 | 0.3 | 1.0 | 105.4 |
| 1974 | 2.3 | 7.6 | 0.9 | 0.6 | 0.3 | 0.4 | 0.0 | 0.0 | 1.4 | 2.7 | 0.8 | 0.0 | 17.1 |
| 1975 | 2.7 | 4.3 | 32.1 | 0.9 | 0.1 | 0.5 | 0.0 | 3.5 | 0.1 | 0.4 | 0.6 | 0.0 | 45.2 |
| 1976 | 24.6 | 99.7 | 3.1 | 4.9 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 139.0 |
| 1977 | 1.0 | 39.5 | 9.8 | 5.0 | 1.1 | 0.2 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 57.4 |
| 1978 | 0.0 | 0.2 | 41.1 | 0.4 | 1.2 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 44.4 |
| 1979 | 2.7 | 0.2 | 5.2 | 1.5 | 0.6 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.2 | 11.6 |
| 1980 | 0.0 | 0.5 | 4.6 | 29.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1981 | 0.0 | 4.1 | 19.9 | 0.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.9 |
| 1982 | 0.0 | 0.6 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 2.6 | 2.3 | 22.7 | 30.4 |
| 1983 | 321.0 | 218.2 | 500.0 | 608.7 | 458.5 | | 4.0 | 0.0 | 0.0 | 5.4 | 0.2 | 3.1 | 2119.1 |
| 1984 | 1.5 | 67.6 | 11.7 | | 0.0 | 0.2 | 0.7 | 3.2 | 0.9 | 0.3 | 0.6 | 0.0 | 99.4 |
| 1985 | 0.3 | 0.0 | | 0.2 | 3.2 | 0.0 | 0.0 | 1.3 | 0.0 | 0.7 | 0.0 | 1.8 | |
| 1986 | 2.3 | 7.7 | 1.4 | 12.6 | 2.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.8 | 0.1 | 27.0 |
| 1987 | 9.6 | 203.8 | 92.2 | 33.4 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.9 | 0.7 | 0.0 | 340.9 |
| 1988 | 9.6 | 2.4 | 1.4 | 20.2 | 0.1 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 1.7 | 0.0 | 37.2 |
| 1989 | 9.5 | | | | | 0.0 | 0.0 | 0.0 | 0.4 | 4.3 | 0.0 | 0.0 | |
| 1990 | 0.1 | 0.9 | 1.4 | 1.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 4.3 | 9.2 |
| 1991 | 3.3 | 5.9 | 26.9 | | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 4.9 | 41.4 |
| 1992 | 8.8 | 42.5 | 202.4 | 230.8 | 4.2 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.3 | |
| 1993 | | | | | | 0.2 | 1.0 | 0.0 | 0.0 | 0.9 | 0.1 | 0.0 | |
| 1994 | 1.2 | 9.7 | 19.2 | 1.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 6.6 | 38.8 |
| 1995 | 0.0 | 2.1 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 5.1 |
| 1996 | | 0.2 | 1.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 2.8 | 0.0 | 0.0 | |
| 1997 | 0.0 | 11.5 | 25.0 | 13.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 | 1.8 | 199.3 | 259.9 |
| 1998 | 548.0 | 434.6 | 681.4 | 60.6 | 34.1 | 2.7 | 0.1 | 0.0 | 0.0 | 1.4 | 1.0 | 0.3 | 1764.2 |
| 1999 | 8.0 | 130.8 | | 17.5 | 4.6 | 2.0 | 0.0 | 0.0 | 0.2 | 2.2 | 0.0 | 5.4 | |
| 2000 | 1.8 | 12.6 | 8.3 | 39.2 | 21.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 101.0 |
| 2001 | 7.9 | 5.8 | 238.1 | 35.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 3.9 | 4.2 | 295.6 |
| 2002 | 0.1 | 5.0 | 103.0 | 131.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 2.7 | 1.3 | 245.8 |
| 2003 | 4.8 | 13.2 | 2.0 | 0.0 | 0.0 | 2.0 | 0.3 | 0.0 | 0.0 | 0.0 | 1.6 | 8.6 | 32.5 |
| 2004 | 7.5 | 1.7 | 1.1 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 7.6 | 24.0 |
| 2005 | 0.0 | 0.0 | 23.4 | 0.3 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.4 |
| 2006 | 0.0 | 57.5 | 27.2 | 1.3 | 0.0 | 0.0 | 0.6 | 0.0 | 0.3 | 0.2 | 4.4 | 4.2 | 95.7 |
| 2007 | 6.4 | 0.0 | 18.6 | 3.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.3 | 30.8 |
| 2008 | 55.6 | 215.8 | 98.1 | 11.4 | 6.4 | 0.2 | 0.1 | 0.6 | 0.0 | 0.1 | 0.9 | 0.0 | 389.2 |
| 2009 | 34.0 | 32.5 | 35.9 | 0.6 | 2.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.8 | 8.5 | | |
| 2010 | 3.2 | 100.7 | 51.9 | 15.6 | 6.7 | 0.6 | | | | | | | |
| Pp Maxima | 548.0 | 434.6 | 681.4 | 608.7 | 458.5 | 2.7 | 4.0 | 3.5 | 1.8 | 8.4 | 8.5 | 199.3 | 2119.1 |
| Pp Media | 30.2 | 46.3 | 69.6 | 37.5 | 15.0 | 0.4 | 0.2 | 0.2 | 0.3 | 1.0 | 0.9 | 8.2 | 221.5 |
| Pp Minima | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 |

| | | | | |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION MALLARES | DEPARTAMENTO PIURA | LONGITUD 80° 44'44 | LATITUD 04° 51'51 |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|

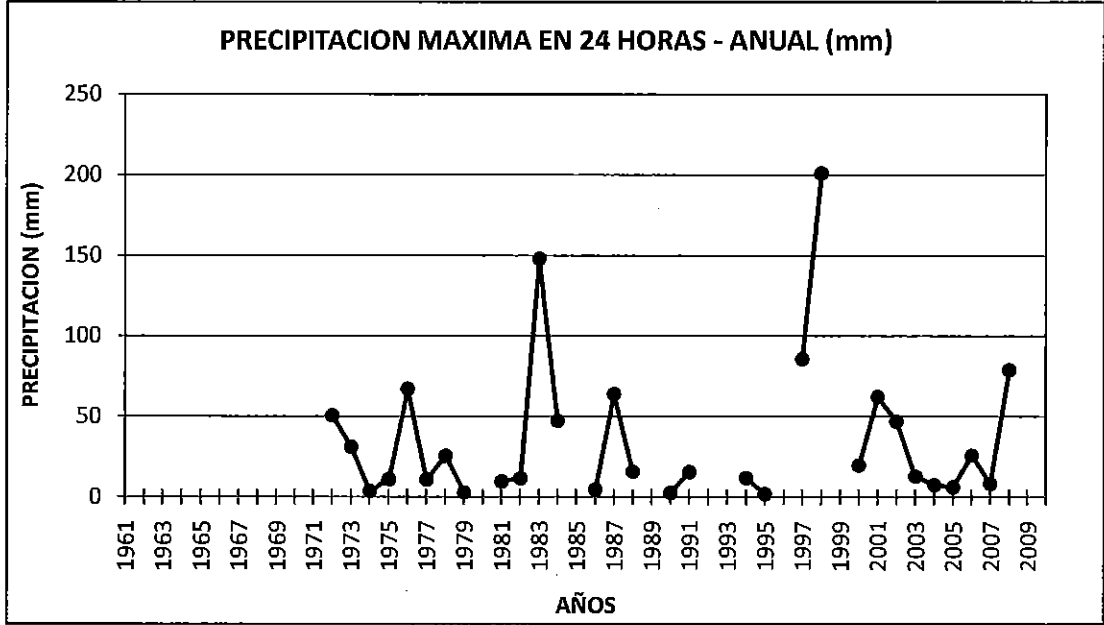


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|---------------|-----------------|---------------------|-----------------|----------------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | MALLARES | PIURA | 80° 44'44 | 04° 51'51 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|-------|------|-------|------|------|-----|-----|-----|-----|-----|-----|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1961 | 7.6 | 0.9 | 11.4 | | | | | | | | | | |
| 1962 | | | | | | | | | | | | | |
| 1963 | | | | | | | | | | | | | |
| 1964 | | | | | | | | | | | | | |
| 1965 | | | | | | | | | | | | | |
| 1966 | | | | | | | | | | | | | |
| 1967 | | | | | | | | | | | | | |
| 1968 | | | | | | | | | | | | | |
| 1969 | | | | | | | | | | | | | |
| 1970 | | | | | | | | | | | | | |
| 1971 | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1972 | 0.0 | 0.2 | 50.5 | 17.2 | 0.9 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 3.5 | 50.5 |
| 1973 | 31.0 | 8.2 | 19.7 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.2 | 0.3 | 0.7 | 31.0 |
| 1974 | 1.0 | 3.5 | 0.6 | 0.4 | 0.2 | 0.4 | 0.0 | 0.0 | 1.0 | 1.8 | 0.4 | 0.0 | 3.5 |
| 1975 | 1.3 | 1.5 | 10.9 | 0.4 | 0.1 | 0.3 | 0.0 | 2.6 | 0.1 | 0.3 | 0.6 | 0.0 | 10.9 |
| 1976 | 12.4 | 67.3 | 0.9 | 4.9 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 67.3 |
| 1977 | 0.4 | 10.8 | 5.9 | 2.1 | 1.1 | 0.2 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 10.8 |
| 1978 | 0.0 | 0.2 | 25.6 | 0.4 | 0.7 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 25.6 |
| 1979 | 1.7 | 0.2 | 2.7 | 0.7 | 0.6 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.2 | 2.7 |
| 1980 | 0.0 | 0.5 | 3.9 | 27.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1981 | 0.0 | 2.3 | 9.6 | 0.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 |
| 1982 | 0.0 | 0.6 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 1.6 | 2.1 | 11.5 | 11.5 |
| 1983 | 49.7 | 47.5 | 148.1 | 93.0 | 81.6 | | 4.0 | 0.0 | 0.0 | 5.4 | 0.2 | 1.4 | 148.1 |
| 1984 | 1.5 | 47.3 | 4.2 | | 0.0 | 0.2 | 0.4 | 2.0 | 0.9 | 0.3 | 0.6 | 0.0 | 47.3 |
| 1985 | 0.2 | 0.0 | | 0.2 | 2.7 | 0.0 | 0.0 | 1.2 | 0.0 | 0.7 | 0.0 | 0.8 | |
| 1986 | 1.2 | 4.0 | 0.8 | 4.7 | 2.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.5 | 0.1 | 4.7 |
| 1987 | 4.3 | 64.0 | 37.0 | 8.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.6 | 0.5 | 0.0 | 64.0 |
| 1988 | 4.2 | 1.9 | 1.4 | 15.7 | 0.1 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 1.0 | 0.0 | 15.7 |
| 1989 | 5.0 | | | | | 0.0 | 0.0 | 0.0 | 0.4 | 2.3 | 0.0 | 0.0 | |
| 1990 | 0.1 | 0.7 | 0.9 | 0.8 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 2.6 | 2.6 |
| 1991 | 3.3 | 4.5 | 15.4 | | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.3 | 15.4 |
| 1992 | 8.6 | 28.8 | 100.4 | 98.7 | 2.6 | 1.3 | 0.0 | 0.0 | 0.0 | | | 0.1 | |
| 1993 | | | | | | 0.2 | 0.9 | 0.0 | 0.0 | 0.7 | 0.1 | 0.0 | |
| 1994 | 0.5 | 3.4 | 11.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 5.2 | 11.7 |
| 1995 | 0.0 | 1.2 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.8 |
| 1996 | | 0.2 | 0.7 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | |
| 1997 | 0.0 | 7.6 | 21.8 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.2 | 0.5 | 85.8 | 85.8 |
| 1998 | 112.3 | 64.6 | 201.0 | 12.4 | 19.1 | 2.7 | 0.1 | 0.0 | 0.0 | 1.4 | 0.8 | 0.2 | 201.0 |
| 1999 | 7.5 | 64.8 | | 5.1 | 3.0 | 1.8 | 0.0 | 0.0 | 0.2 | 2.2 | 0.0 | 5.1 | |
| 2000 | 1.8 | 7.0 | 5.9 | 16.5 | 19.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 19.7 |
| 2001 | 4.7 | 1.8 | 62.5 | 28.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 3.8 | 3.1 | 62.5 |
| 2002 | 0.1 | 2.6 | 35.0 | 47.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 1.0 | 0.5 | 47.1 |
| 2003 | 3.1 | 12.9 | 1.9 | 0.0 | 0.0 | 1.5 | 0.3 | 0.0 | 0.0 | 0.0 | 1.6 | 7.1 | 12.9 |
| 2004 | 3.0 | 0.7 | 1.1 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 7.3 | 7.3 |
| 2005 | 0.0 | 0.0 | 6.1 | 0.3 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 |
| 2006 | 0.0 | 25.8 | 10.9 | 1.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.3 | 0.2 | 4.1 | 3.3 | 25.8 |
| 2007 | 4.0 | 0.0 | 8.4 | 1.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 8.4 |
| 2008 | 28.0 | 79.0 | 15.5 | 5.9 | 6.0 | 0.2 | 0.1 | 0.3 | 0.0 | 0.1 | 0.6 | 0.0 | 79.0 |
| 2009 | 22.1 | 10.3 | 14.7 | 0.3 | 2.1 | 0.4 | 0.1 | 0.0 | 0.0 | 0.8 | 8.4 | | |
| 2010 | 2.0 | 70.4 | 22.7 | 7.3 | 6.3 | 0.6 | | | | | | | |

| | | | | |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION MALLARES | DEPARTAMENTO PIURA | LONGITUD 80° 44'44 | LATITUD 04° 51'51 |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|



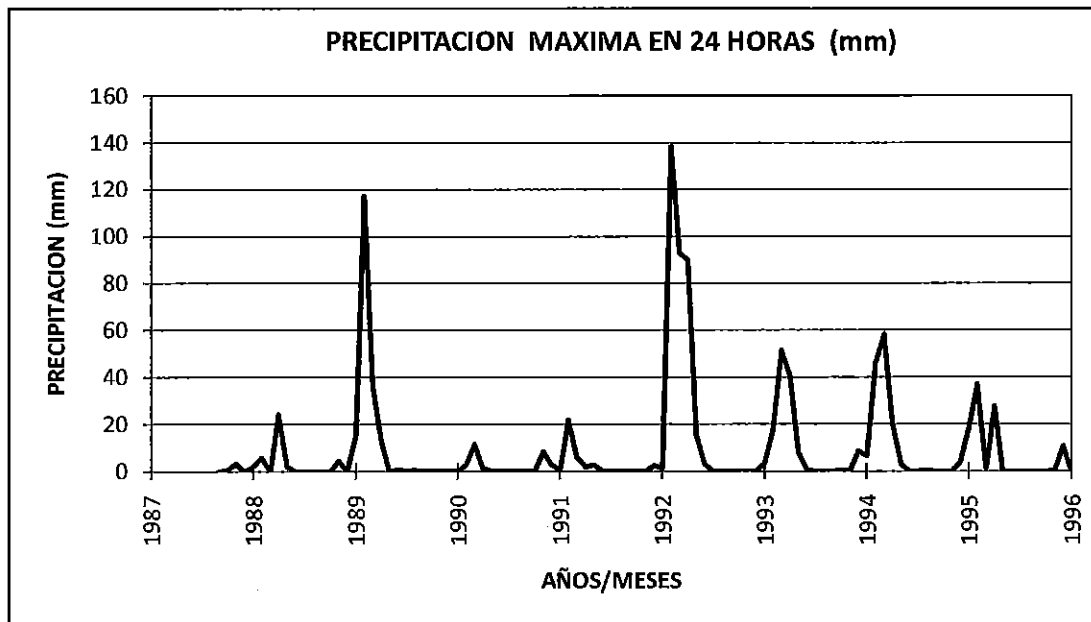
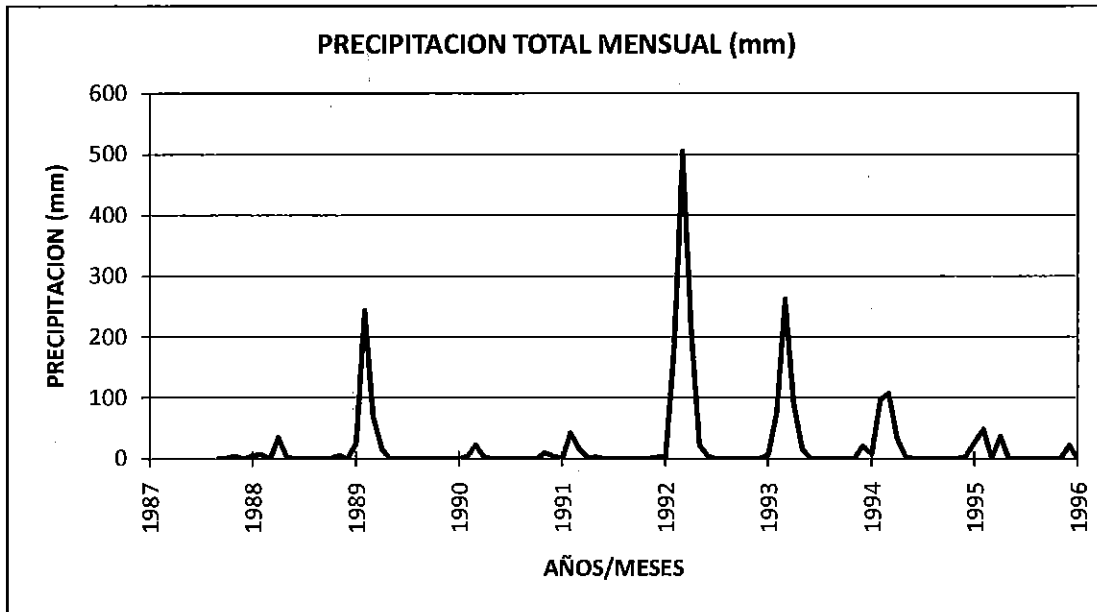
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|
| CUENCA CHIRA | ESTACION MALLARES | DEPARTAMENTO PIURA | LONGITUD 80° 44'44 | LATITUD 04° 51'51 |
|-----------------|----------------------|-----------------------|-----------------------|----------------------|

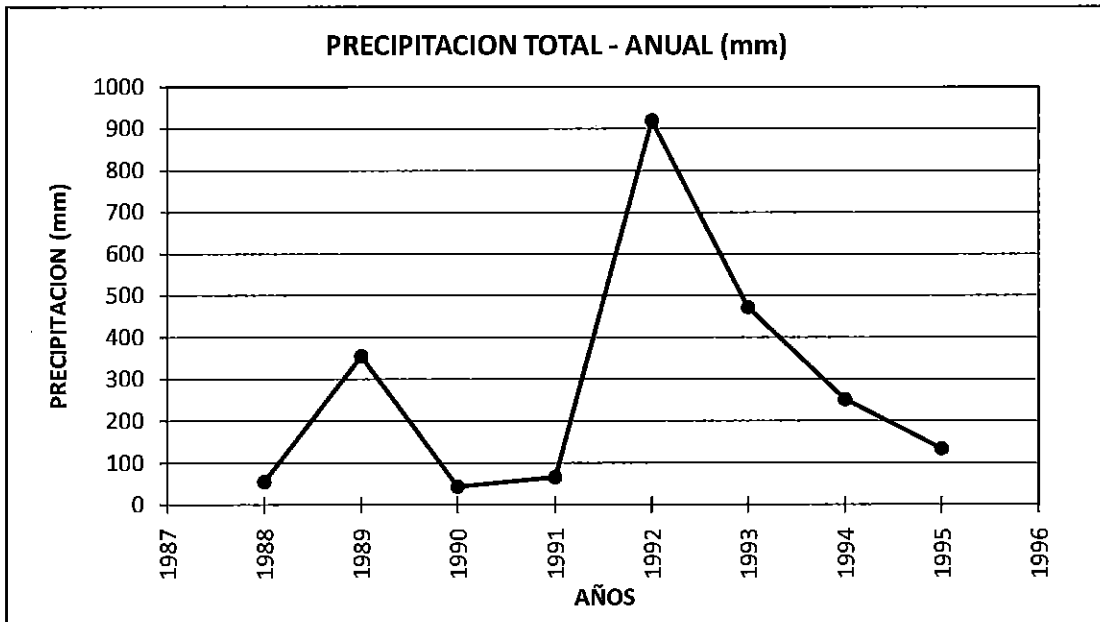
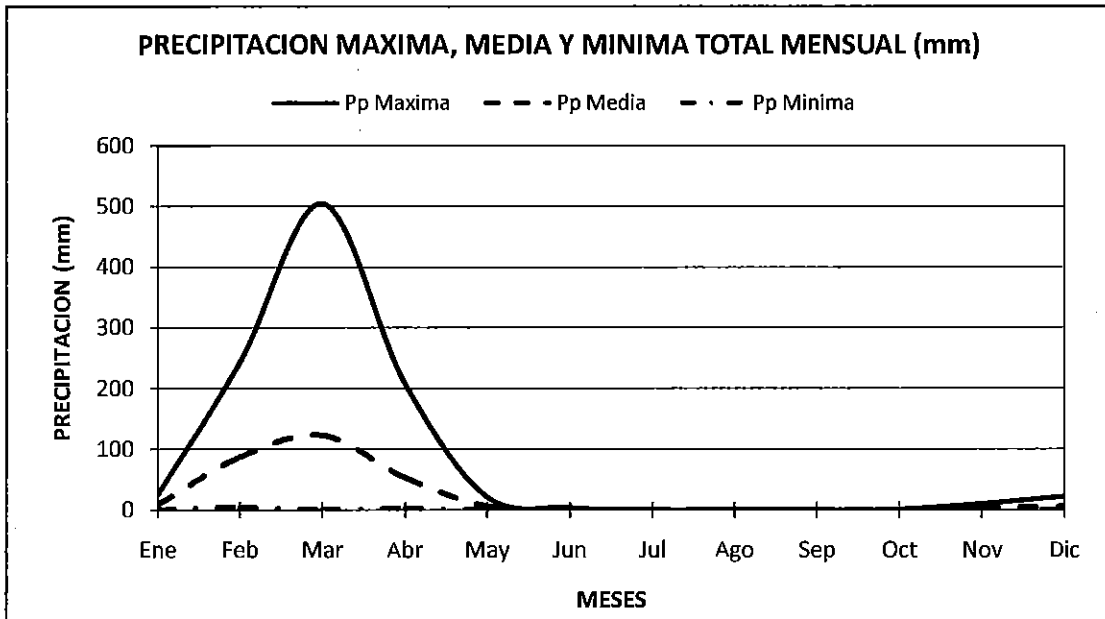
| Año | Total |
|------|--------|
| 1961 | |
| 1962 | |
| 1963 | |
| 1964 | |
| 1965 | |
| 1966 | |
| 1967 | |
| 1968 | |
| 1969 | |
| 1970 | |
| 1971 | |
| 1972 | 186.0 |
| 1973 | 105.4 |
| 1974 | 17.1 |
| 1975 | 45.2 |
| 1976 | 139.0 |
| 1977 | 57.4 |
| 1978 | 44.4 |
| 1979 | 11.6 |
| 1980 | |
| 1981 | 25.9 |
| 1982 | 30.4 |
| 1983 | 2119.1 |
| 1984 | 99.4 |
| 1985 | |
| 1986 | 27.0 |
| 1987 | 340.9 |
| 1988 | 37.2 |
| 1989 | |
| 1990 | 9.2 |
| 1991 | 41.4 |
| 1992 | |
| 1993 | |
| 1994 | 38.8 |
| 1995 | 5.1 |
| 1996 | |
| 1997 | 259.9 |
| 1998 | 1764.2 |
| 1999 | |
| 2000 | 101.0 |
| 2001 | 295.6 |
| 2002 | 245.8 |
| 2003 | 32.5 |
| 2004 | 24.0 |
| 2005 | 24.4 |
| 2006 | 95.7 |
| 2007 | 30.8 |
| 2008 | 389.2 |
| 2009 | |
| 2010 | |

| | |
|----------|-------------|
| CUENCA | CHIRA |
| ESTACION | LAS LOMAS 2 |

| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAS LOMAS 2 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAS LOMAS 2 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|

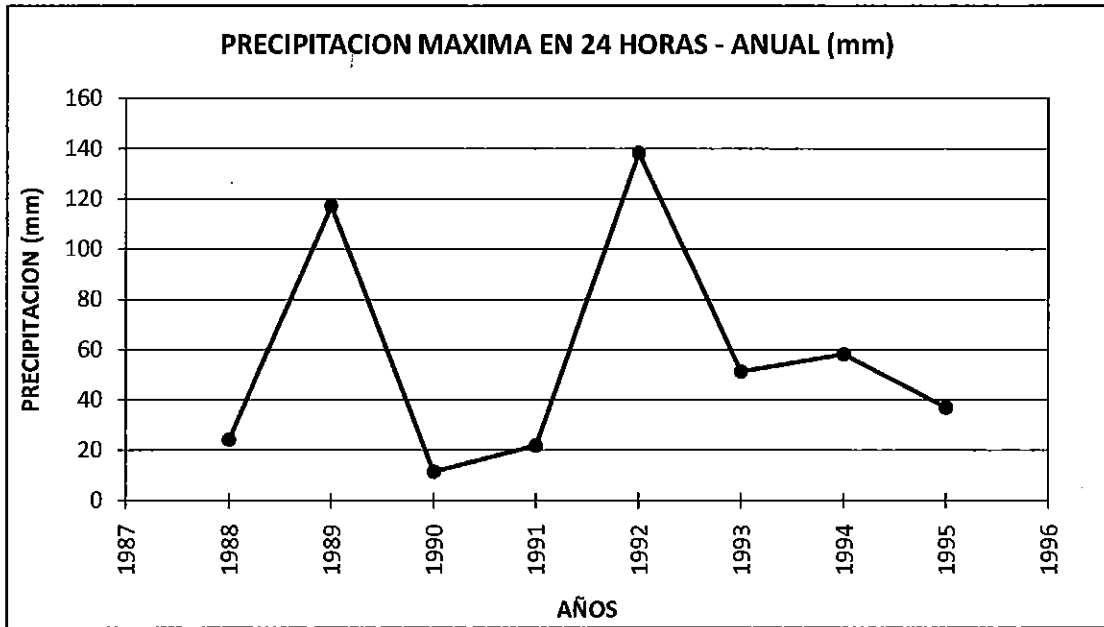


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|---------------|-----------------|---------------------|-----------------|----------------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | LAS LOMAS 2 | PIURA | 80° 15'1 | 04° 38'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|-------|------|------|------|-----|-----|-----|-----|-----|-----|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1987 | | | | | | | | | 0.0 | 0.7 | 3.2 | 0.0 | |
| 1988 | 2.0 | 5.7 | 0.2 | 24.2 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 24.2 |
| 1989 | 15.3 | 117.3 | 36.5 | 13.0 | 0.0 | 0.7 | 0.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 117.3 |
| 1990 | 0.0 | 2.7 | 11.5 | 1.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 | 2.9 | 11.5 |
| 1991 | 0.7 | 21.8 | 6.0 | 2.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 21.8 |
| 1992 | 1.3 | 138.3 | 92.7 | 90.1 | 15.3 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 138.3 |
| 1993 | 3.2 | 17.7 | 51.3 | 40.5 | 7.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 8.6 | 51.3 |
| 1994 | 6.5 | 46.2 | 58.2 | 20.4 | 3.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 3.6 | 58.2 |
| 1995 | 18.8 | 37.0 | 1.3 | 27.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 | 37.0 |
| 1996 | 0.0 | | | | | | | | | | | | |

| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAS LOMAS 2 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|



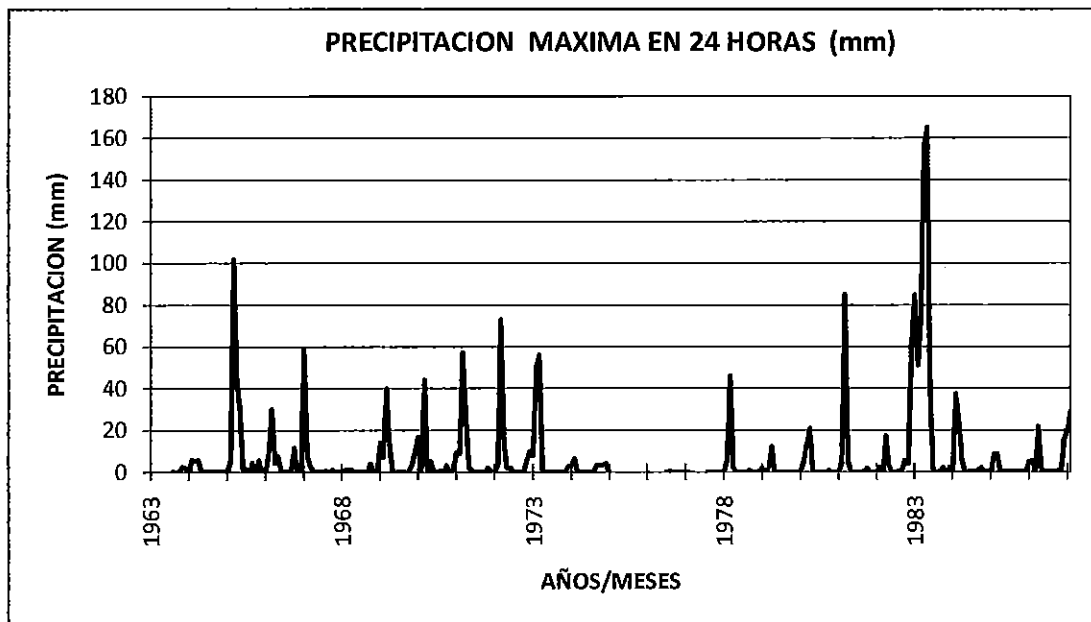
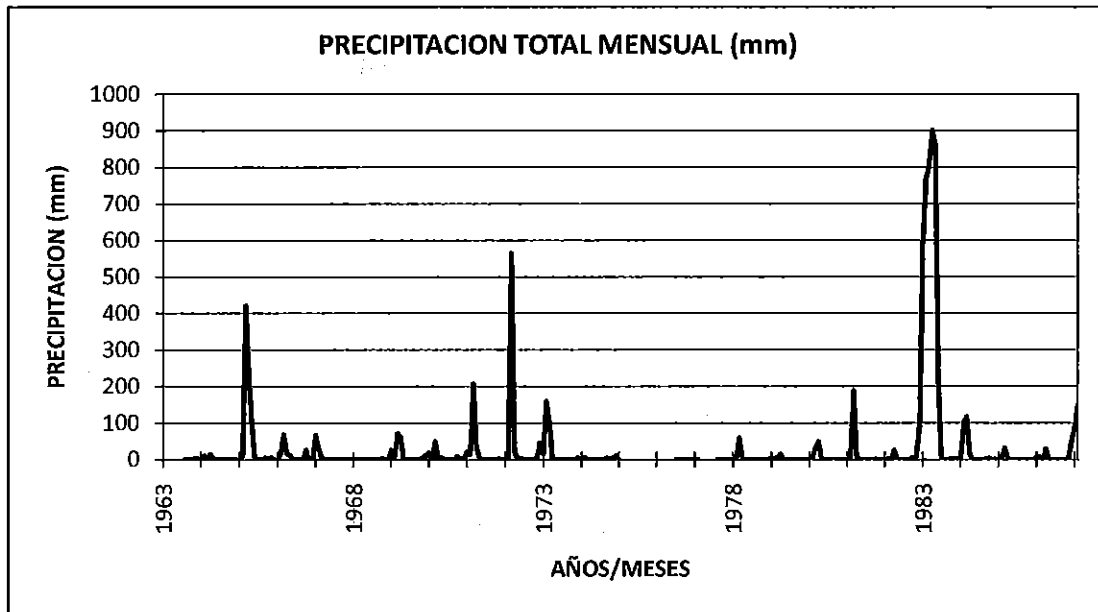
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAS LOMAS 2 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|

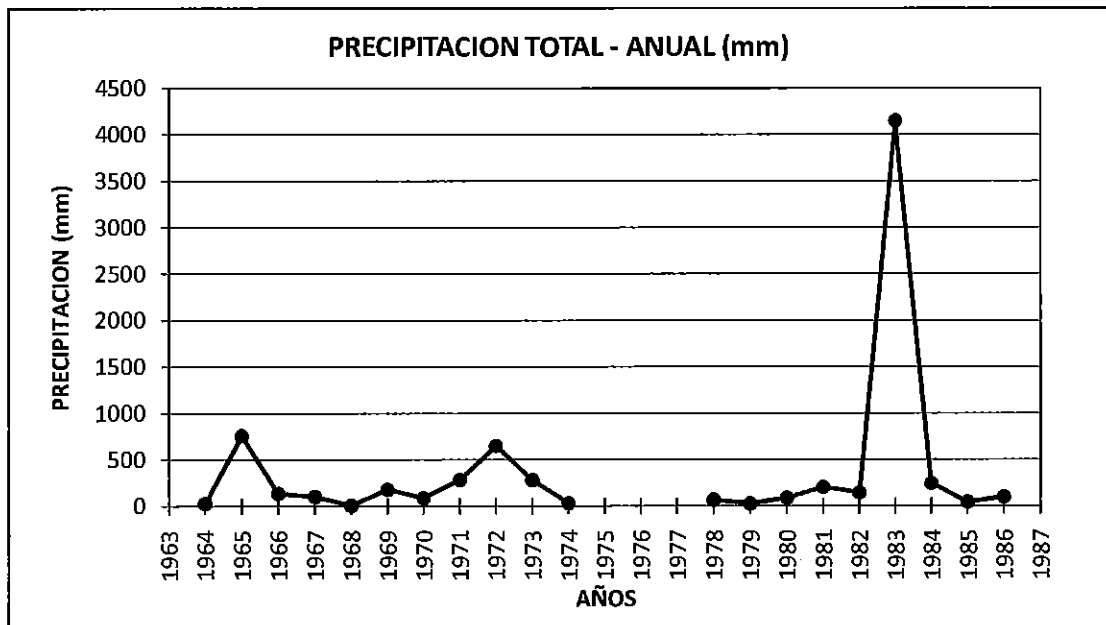
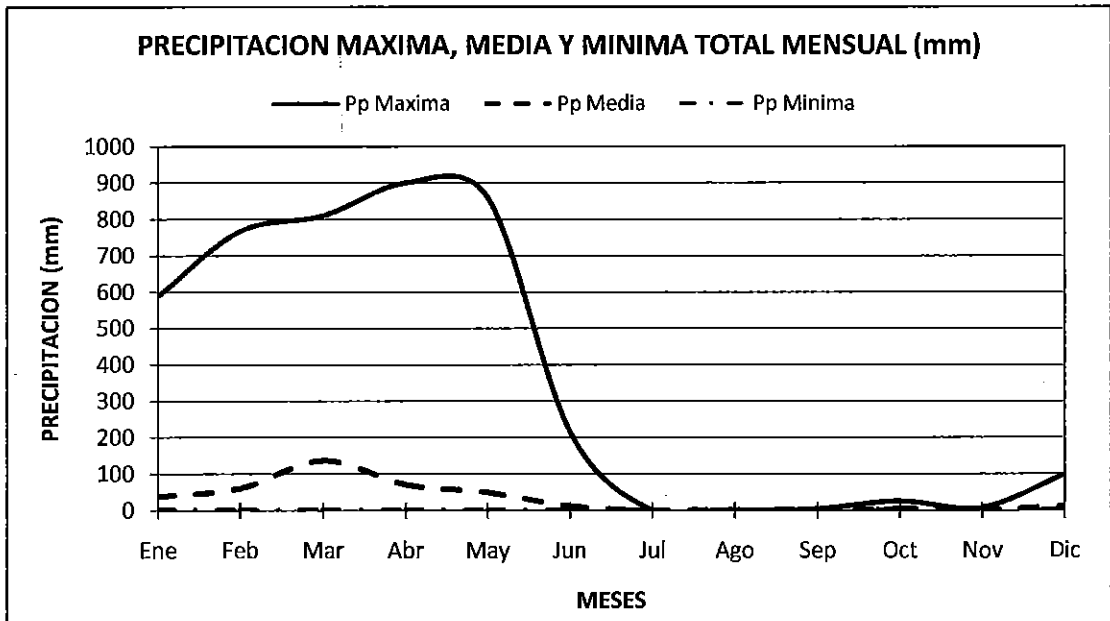
| Año | Total |
|------|-------|
| 1987 | |
| 1988 | 56.0 |
| 1989 | 356.3 |
| 1990 | 43.6 |
| 1991 | 66.4 |
| 1992 | 920.3 |
| 1993 | 471.9 |
| 1994 | 252.1 |
| 1995 | 134.0 |
| 1996 | |

| | |
|----------|-------------|
| CUENCA | CHIRA |
| ESTACION | LAS LOMAS 1 |

| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAS LOMAS 1 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAS LOMAS 1 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|

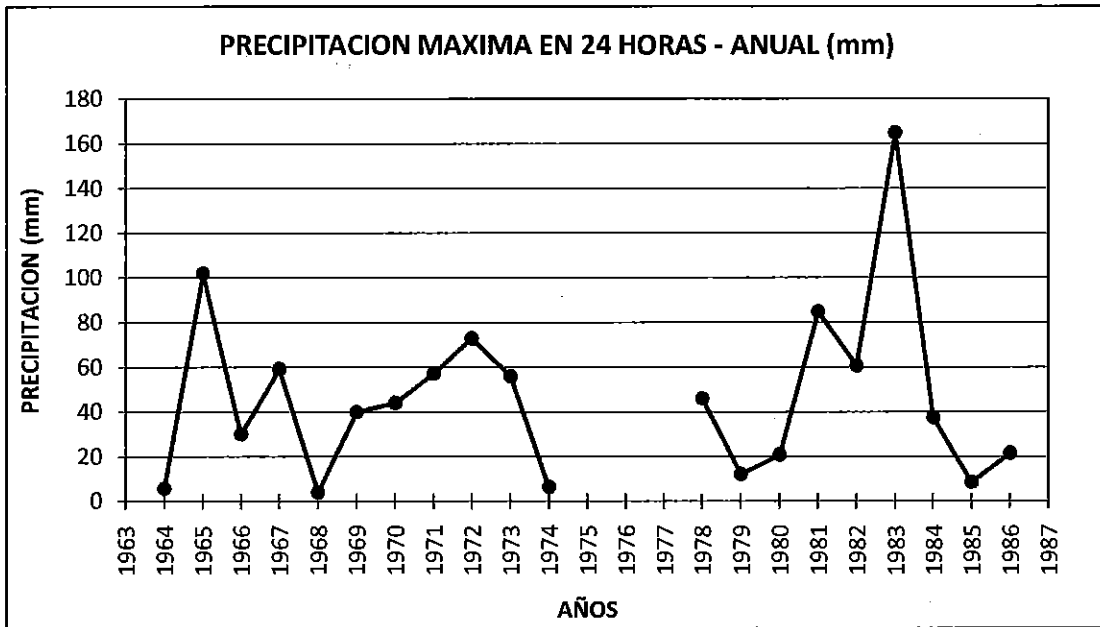


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|-------------|--------------|----------|----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | LAS LOMAS 1 | PIURA | 80° 15'1 | 04° 38'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|------|-------|-------|-------|------|-----|-----|-----|------|-----|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1963 | | | | | | | | 0.0 | 0.0 | 0.0 | 2.4 | 2.0 | |
| 1964 | 0.0 | 5.8 | 5.2 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 5.8 |
| 1965 | 0.3 | 5.4 | 102.0 | 43.0 | 31.2 | 0.0 | 1.5 | 0.0 | 4.2 | 0.0 | 5.6 | 0.0 | 102.0 |
| 1966 | 0.0 | 9.1 | 30.1 | 4.2 | 7.4 | 0.2 | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 0.0 | 30.1 |
| 1967 | 59.3 | 7.5 | 3.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 0.3 | 1.0 | 0.0 | 0.0 | 59.3 |
| 1968 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 4.0 |
| 1969 | 14.0 | 7.0 | 40.0 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 9.0 | 40.0 |
| 1970 | 17.0 | 0.0 | 44.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.5 | 0.0 | 3.0 | 0.0 | 1.0 | 44.0 |
| 1971 | 9.0 | 8.8 | 57.2 | 26.1 | 2.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.4 | 57.2 |
| 1972 | 0.3 | 3.0 | 73.0 | 13.0 | 2.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.4 | 10.0 | 73.0 |
| 1973 | 8.0 | 50.4 | 56.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 56.0 |
| 1974 | 2.8 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 3.4 | 3.4 | 4.0 | 6.5 |
| 1975 | 0.0 | | | | | | | | | | | | |
| 1976 | | | | | | | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1977 | 0.0 | 0.0 | | | | | | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | |
| 1978 | 0.0 | 5.6 | 46.0 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 46.0 |
| 1979 | 2.0 | 0.0 | 2.1 | 12.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 |
| 1980 | 0.0 | 5.0 | 13.3 | 20.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 20.8 |
| 1981 | 0.0 | 3.8 | 84.9 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 | 0.0 | 84.9 |
| 1982 | 0.0 | 2.4 | 0.0 | 17.3 | 2.7 | 0.0 | 0.0 | 0.0 | 0.5 | 5.4 | 3.8 | 60.7 | 60.7 |
| 1983 | 84.5 | 51.2 | 74.6 | 157.3 | 165.0 | 38.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 2.0 | 165.0 |
| 1984 | 1.4 | 37.4 | 24.1 | 5.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 2.1 | 0.0 | 0.3 | 37.4 |
| 1985 | 0.0 | 8.5 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 8.5 |
| 1986 | 5.0 | 5.3 | 0.0 | 21.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 15.5 | 21.5 |
| 1987 | 20.2 | 28.6 | | | | | | | | | | | |

| | | | | |
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| CUENCA CHIRA | ESTACION LAS LOMAS 1 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
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PRECIPITACION TOTAL ANUAL (mm)

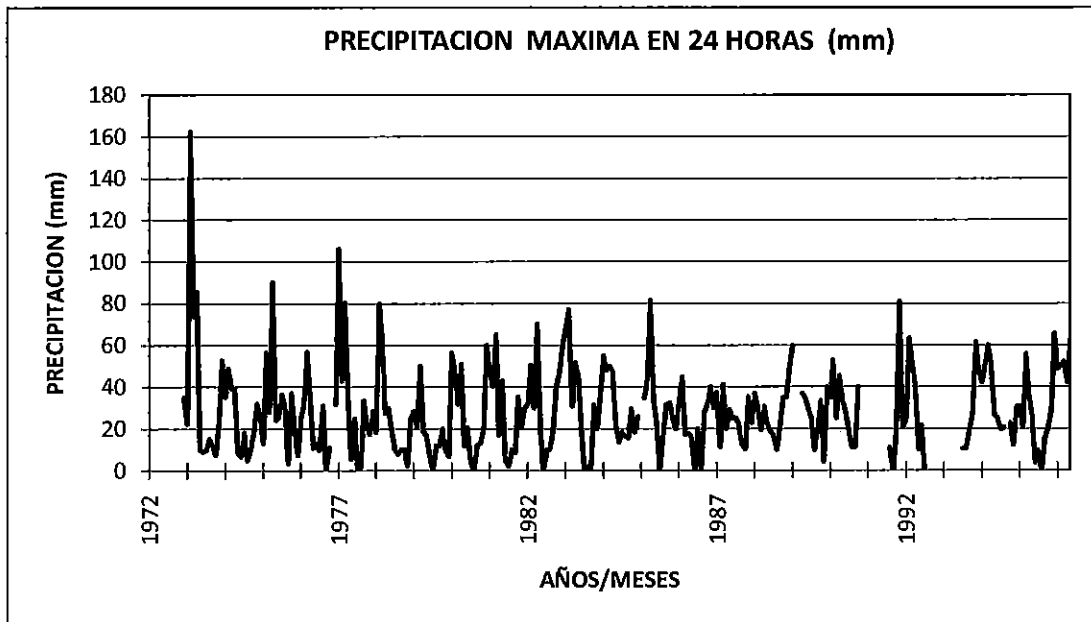
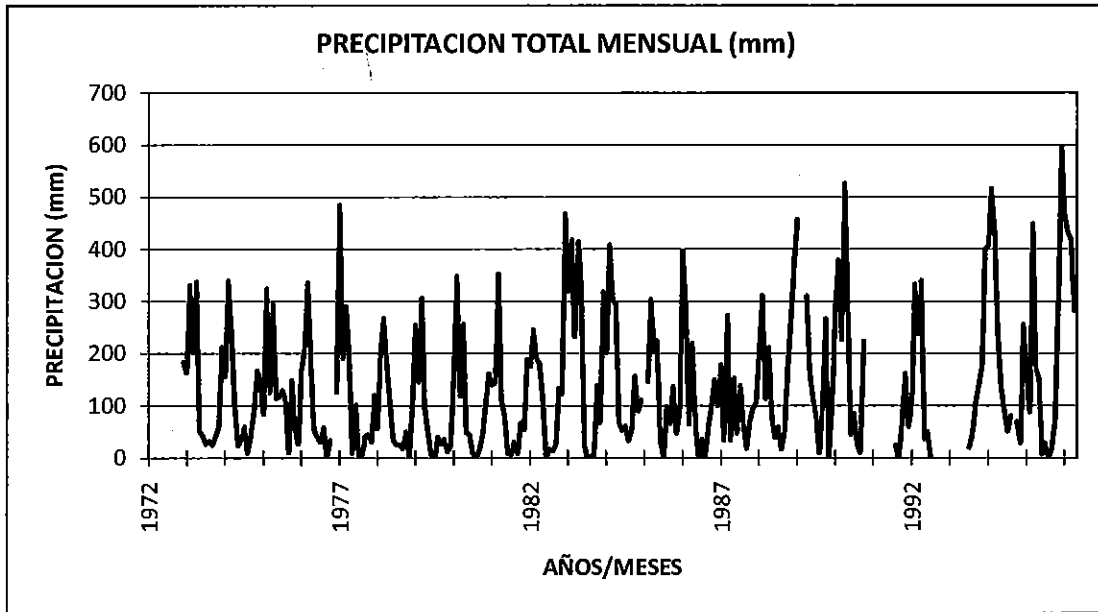
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| CUENCA CHIRA | ESTACION LAS LOMAS 1 | DEPARTAMENTO PIURA | LONGITUD 80° 15'1 | LATITUD 04° 38'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|

| Año | Total |
|------|--------|
| 1963 | |
| 1964 | 29.0 |
| 1965 | 758.3 |
| 1966 | 135.9 |
| 1967 | 102.4 |
| 1968 | 7.0 |
| 1969 | 180.0 |
| 1970 | 85.5 |
| 1971 | 283.3 |
| 1972 | 649.9 |
| 1973 | 280.2 |
| 1974 | 30.4 |
| 1975 | |
| 1976 | |
| 1977 | |
| 1978 | 67.5 |
| 1979 | 25.1 |
| 1980 | 87.4 |
| 1981 | 202.7 |
| 1982 | 143.6 |
| 1983 | 4152.9 |
| 1984 | 242.5 |
| 1985 | 40.8 |
| 1986 | 96.1 |
| 1987 | |

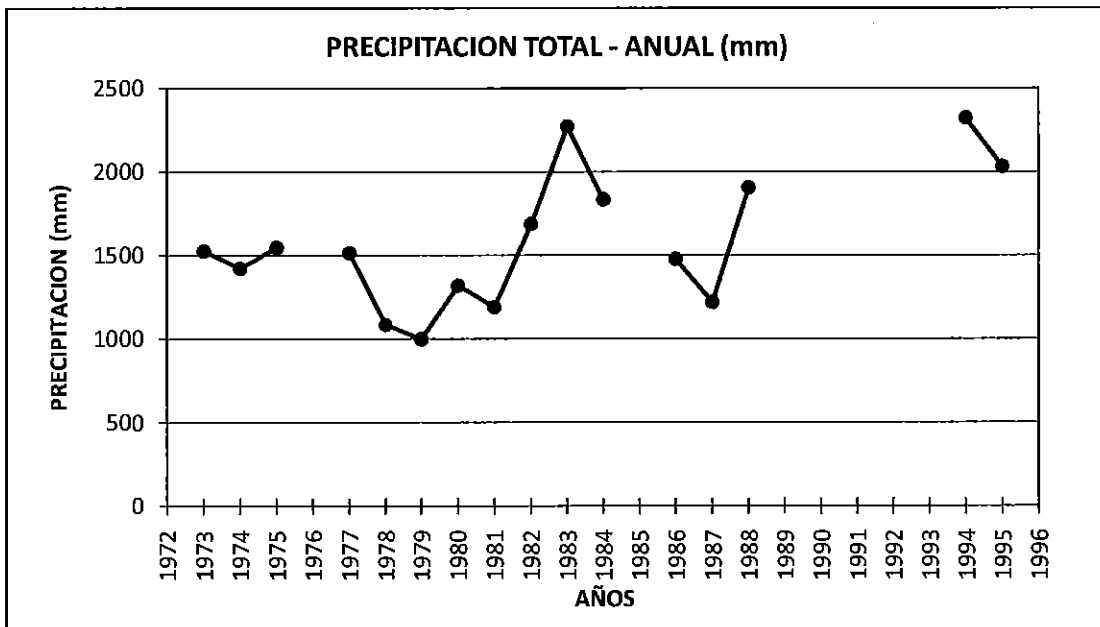
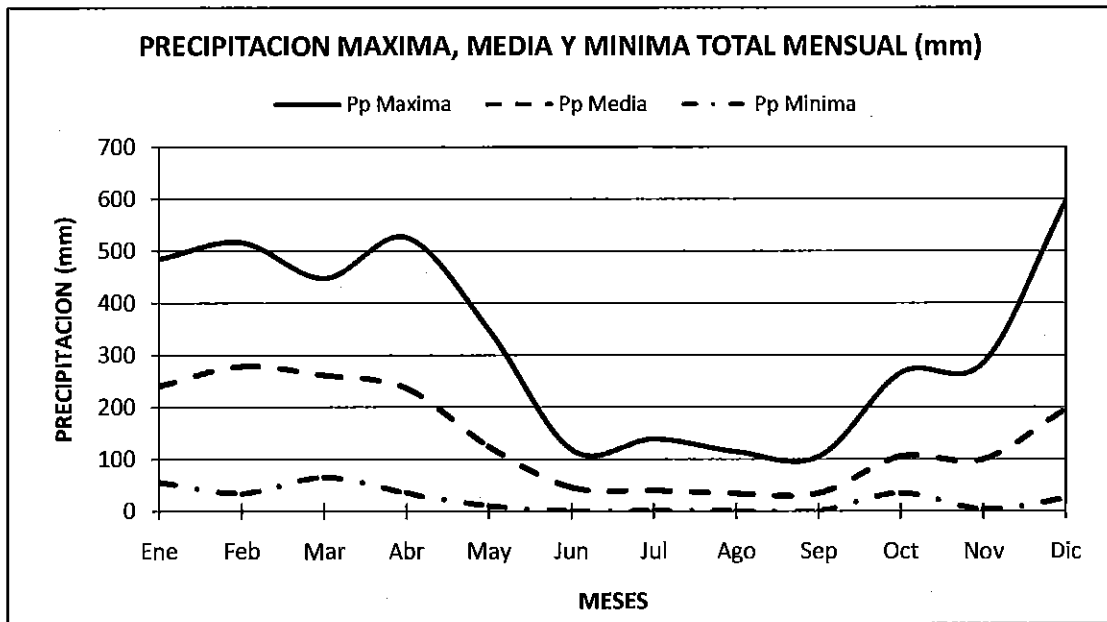
| CUENCA | CHIRA |
|----------|-------------|
| ESTACION | LAGUNA SECA |

| Año | Mes | Días | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|--------|-------|--------|------|------|-----|-----|------|------|------|------|------|------|-----|-----|-----|-----|-----|-------|------|-----|-----|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| 1983 | 10 | 0.0 | 0.0 | 0.0 | 31.3 | 2.8 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 40.0 | 19.7 | 18.3 | 10.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 134.2 | 40.0 | 4.3 | 0.0 | |
| | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 12 | 0.0 | 0.0 | 11.7 | 20.4 | 24.1 | 12.3 | 10.0 | 7.0 | 0.0 | 0.0 | 14.6 | 20.0 | 0.0 | 0.0 | 0.0 | 20.0 | 32.8 | 17.7 | 0.0 | 2.4 | 43.8 | 30.0 | 45.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 1 | 18.8 | 7.0 | 8.8 | 10.8 | 10.2 | 2.4 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 2 | 19.8 | 22.7 | 77.0 | 99.9 | 96.1 | 29.3 | 20.0 | 25.8 | 22.3 | 22.4 | 10.0 | 16.1 | 20.0 | 20.7 | 10.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 3 | 25.0 | 30.0 | 17.4 | 20.0 | 9.4 | 30.8 | 30.0 | 0.0 | 0.0 | 0.0 | 10.0 | 12.8 | 11.4 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 4 | 22.7 | 6.4 | 0.0 | 0.0 | 35.4 | 29.5 | 34.9 | 51.7 | 46.3 | 34.4 | 20.2 | 22.3 | 21.2 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 5 | 13.4 | 27.3 | 30.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 21.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 8 | 2.1 | 0.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 9 | 0.1 | 0.2 | 0.0 | 0.0 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 12 | 13.6 | 9.8 | 14.8 | 35.0 | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 2 | 0.4 | 1.5 | 40.0 | 24.7 | 17.1 | 3.9 | 0.0 | 0.0 | 0.0 | 0.0 | 23.0 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 3 | 0.4 | 11.0 | 1.3 | 3.7 | 15.7 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 29.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 4 | 47.2 | 21.9 | 34.3 | 28.3 | 30.3 | 33.7 | 0.7 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 5 | 0.0 | 0.0 | 0.3 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6 | 0.0 | 0.0 | 0.1 | 18.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.3 | 0.0 | 0.0 | 8.5 | 10.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 8.9 | 10.4 | 0.0 | 0.0 | 0.0 | 1.0 | 12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 1 | 22.7 | 11.8 | 23.1 | 10.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 2 | 30.0 | 36.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 3 | 28.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5 | 22.0 | 10.4 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1 | 0.3 | 0.0 | 0.4 | 0.0 | 9.5 | 8.4 | 5.3 | 20.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| CUENCA CHIRA | ESTACIÓN LAGUNA SECA | DEPARTAMENTO PIURA | LONGITUD 79° 29'1 | LATITUD 04° 53'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|



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|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAGUNA SECA | DEPARTAMENTO PIURA | LONGITUD 79° 29'1 | LATITUD 04° 53'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|

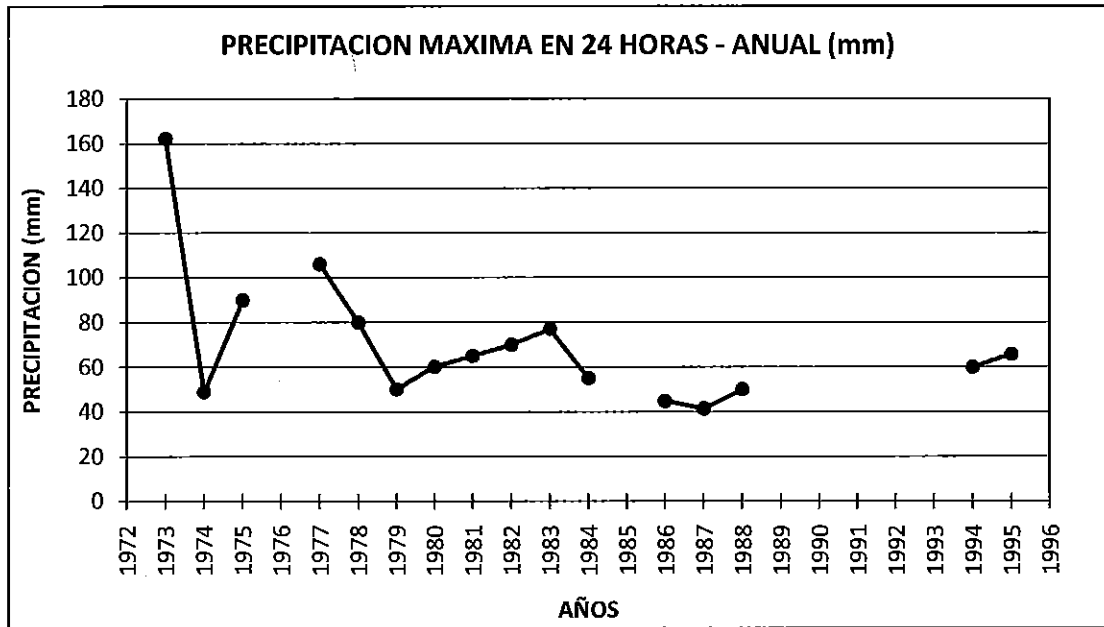


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|-------------|--------------|----------|----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | LAGUNA SECA | PIURA | 79° 29'1 | 04° 53'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1972 | | | | | | | | | | | | | 35.0 |
| 1973 | 22.3 | 162.3 | 73.8 | 85.7 | 10.0 | 9.0 | 10.0 | 15.2 | 12.1 | 7.3 | 23.4 | 52.5 | 162.3 |
| 1974 | 35.4 | 48.9 | 39.0 | 39.2 | 8.7 | 6.7 | 18.1 | 4.9 | 10.2 | 17.9 | 32.0 | 27.3 | 48.9 |
| 1975 | 13.0 | 56.6 | 27.9 | 90.0 | 24.2 | 25.5 | 36.4 | 30.9 | 3.5 | 37.0 | 21.8 | 7.3 | 90.0 |
| 1976 | 25.0 | 32.0 | 56.9 | 35.0 | 10.9 | 12.7 | 9.8 | 31.0 | 0.9 | 10.9 | | 31.9 | |
| 1977 | 106.0 | 43.0 | 80.4 | 31.7 | 5.5 | 24.8 | 0.9 | 1.3 | 33.5 | 21.7 | 17.5 | 28.5 | 106.0 |
| 1978 | 18.4 | 80.0 | 63.7 | 27.5 | 30.0 | 19.5 | 10.1 | 8.0 | 10.1 | 10.0 | 2.3 | 25.0 | 80.0 |
| 1979 | 28.4 | 21.3 | 50.0 | 18.7 | 17.0 | 7.0 | 0.0 | 11.8 | 11.7 | 20.0 | 9.9 | 6.9 | 50.0 |
| 1980 | 56.3 | 48.9 | 31.9 | 51.1 | 11.9 | 20.6 | 4.3 | 0.0 | 12.0 | 13.0 | 19.3 | 60.1 | 60.1 |
| 1981 | 48.0 | 40.3 | 65.0 | 16.8 | 43.0 | 4.6 | 2.4 | 10.0 | 8.5 | 35.2 | 21.5 | 30.0 | 65.0 |
| 1982 | 31.9 | 50.5 | 30.0 | 70.0 | 20.6 | 0.0 | 10.0 | 10.1 | 20.0 | 40.0 | 46.3 | 60.0 | 70.0 |
| 1983 | 68.2 | 77.0 | 30.8 | 51.7 | 45.0 | 21.2 | 0.0 | 2.1 | 0.4 | 31.4 | 20.0 | 35.0 | 77.0 |
| 1984 | 55.0 | 48.0 | 50.0 | 47.2 | 22.3 | 13.4 | 18.2 | 16.4 | 15.6 | 29.5 | 18.4 | 25.6 | 55.0 |
| 1985 | | 35.0 | 43.0 | 81.4 | 34.4 | 22.0 | 0.7 | 19.5 | 31.4 | 32.3 | 25.3 | 20.0 | |
| 1986 | 33.2 | 44.7 | 17.4 | 17.9 | 16.2 | 0.0 | 20.0 | 1.2 | 28.0 | 32.0 | 40.0 | 30.0 | 44.7 |
| 1987 | 37.4 | 11.4 | 41.3 | 20.0 | 29.3 | 25.0 | 25.0 | 21.9 | 12.6 | 10.3 | 35.2 | 22.9 | 41.3 |
| 1988 | 36.9 | 30.0 | 19.4 | 30.6 | 22.6 | 18.7 | 17.3 | 10.0 | 20.9 | 35.0 | 35.0 | 50.0 | 50.0 |
| 1989 | 60.0 | | | 37.0 | 35.0 | 30.0 | 25.0 | 10.0 | 21.0 | 33.4 | 4.2 | 40.0 | |
| 1990 | 35.0 | 53.0 | 25.0 | 45.3 | 33.0 | 28.3 | 19.7 | 11.4 | 11.1 | 40.0 | | | |
| 1991 | | | | | | | | 10.9 | 0.0 | 20.0 | 81.0 | 20.7 | |
| 1992 | 24.5 | 63.3 | 50.8 | 40.9 | 10.0 | 21.7 | 0.0 | | | | | | |
| 1993 | | | | | | | 10.4 | 10.6 | 19.6 | 26.8 | 61.4 | 47.9 | |
| 1994 | 42.3 | 50.9 | 59.9 | 51.2 | 26.6 | 25.0 | 19.8 | 20.6 | | 22.5 | 12.4 | 30.7 | 59.9 |
| 1995 | 30.7 | 20.8 | 55.6 | 36.0 | 27.4 | 3.6 | 9.6 | 0.0 | 15.0 | 20.4 | 28.6 | 65.7 | 65.7 |
| 1996 | 48.6 | 50.2 | 52.1 | 42.3 | 62.5 | | | | | | | | |

| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAGUNA SECA | DEPARTAMENTO PIURA | LONGITUD 79° 29'1 | LATITUD 04° 53'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|



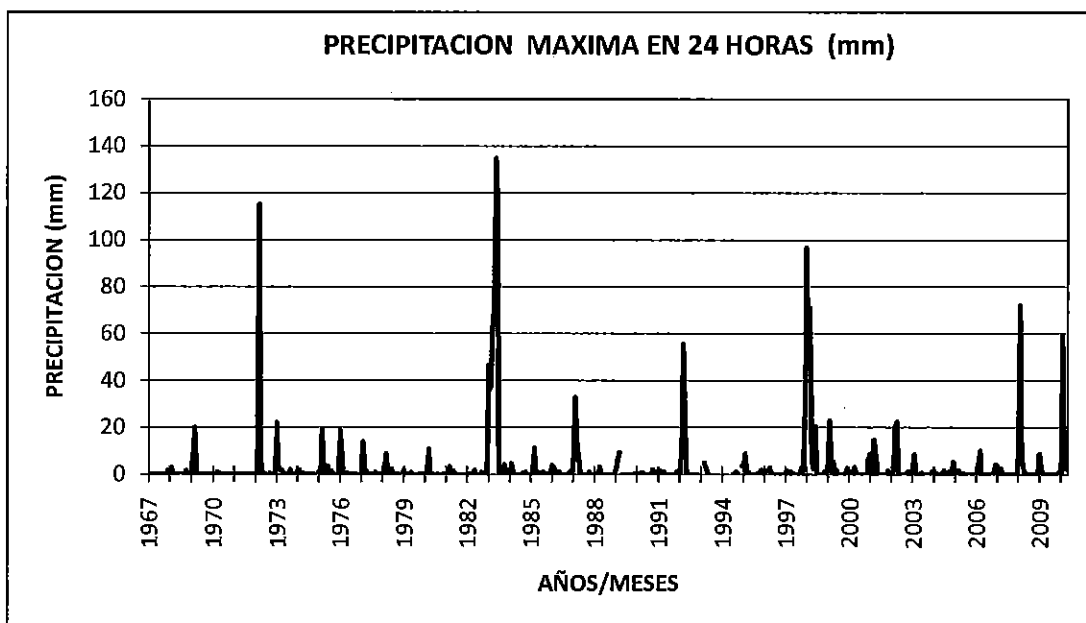
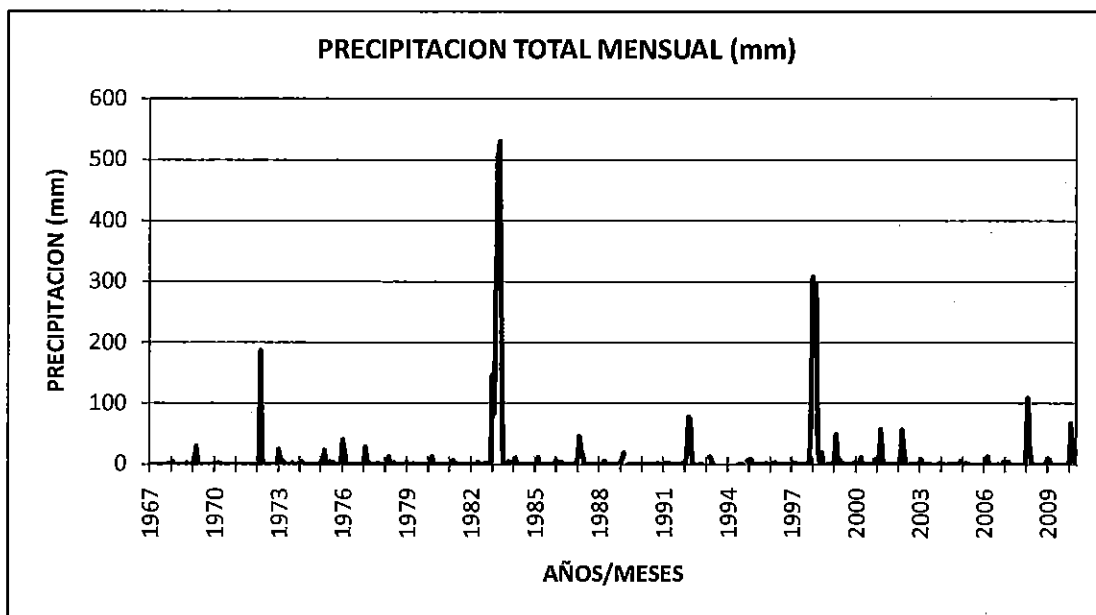
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION LAGUNA SECA | DEPARTAMENTO PIURA | LONGITUD 79° 29'1 | LATITUD 04° 53'1 |
|-----------------|-------------------------|-----------------------|----------------------|---------------------|

| Año | Total |
|------|--------|
| 1972 | |
| 1973 | 1525.2 |
| 1974 | 1421.2 |
| 1975 | 1544.8 |
| 1976 | |
| 1977 | 1513.3 |
| 1978 | 1084.0 |
| 1979 | 998.9 |
| 1980 | 1317.7 |
| 1981 | 1190.2 |
| 1982 | 1686.5 |
| 1983 | 2272.6 |
| 1984 | 1833.2 |
| 1985 | |
| 1986 | 1477.6 |
| 1987 | 1220.5 |
| 1988 | 1905.8 |
| 1989 | |
| 1990 | |
| 1991 | |
| 1992 | |
| 1993 | |
| 1994 | 2323.0 |
| 1995 | 2030.8 |
| 1996 | |

| | |
|-----------------|---------------------|
| CUENCA | CHIRA |
| ESTACION | LA ESPERANZA |

| | | | | |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|
| CUENCA CHIRA | ESTACION LA ESPERANZA | DEPARTAMENTO PIURA | LONGITUD 81° 04'4 | LATITUD 04° 55'55 |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|

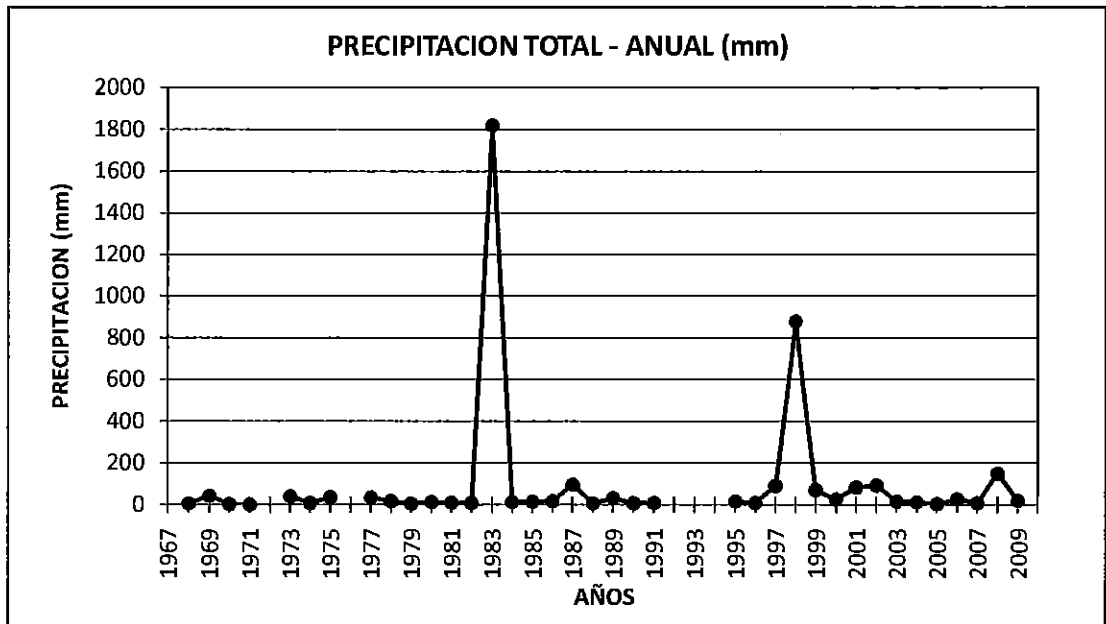
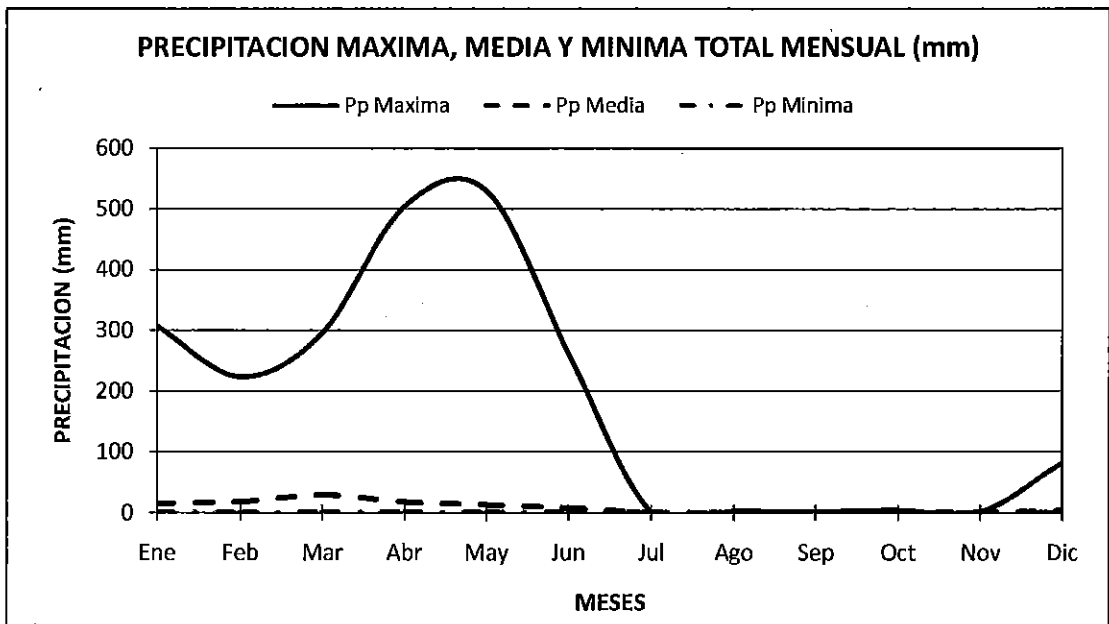


PRECIPITACION TOTAL MENSUAL (mm)

| | | | | |
|--------|--------------|--------------|----------|-----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | LA ESPERANZA | PIURA | 81° 04'4 | 04° 55'55 |

| Año | Mes | | | | | | | | | | | | Total |
|-----------|-------|-------|-------|-------|-------|-------|-----|-----|-----|-----|-----|------|--------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1967 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | |
| 1968 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 5.8 |
| 1969 | 0.5 | 10.2 | 30.0 | 1.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.2 |
| 1970 | 0.0 | 0.0 | 2.0 | 0.6 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 2.9 |
| 1971 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| 1972 | | 0.6 | 186.5 | 7.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 2.0 | |
| 1973 | 24.8 | 4.2 | 5.3 | 2.8 | 0.0 | 0.2 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.1 | 39.5 |
| 1974 | 2.2 | 4.3 | 0.0 | 0.8 | 0.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 7.9 |
| 1975 | 2.9 | 2.3 | 22.5 | 0.4 | 0.4 | 4.1 | 0.0 | 2.5 | 0.1 | 0.0 | 0.0 | 0.0 | 35.3 |
| 1976 | 39.9 | 22.5 | 0.0 | 0.1 | 0.7 | 0.2 | 0.0 | 0.3 | 0.0 | 0.1 | | 0.0 | |
| 1977 | 0.0 | 28.1 | 3.1 | 1.4 | 0.0 | 0.2 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 34.2 |
| 1978 | 0.0 | 0.3 | 12.3 | 1.2 | 0.1 | 2.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 16.4 |
| 1979 | 3.2 | 0.0 | 0.3 | 0.1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.5 |
| 1980 | 0.0 | 0.0 | 12.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 12.7 |
| 1981 | 0.0 | 1.7 | 6.7 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 9.9 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.5 | 3.1 | 0.0 | 0.0 | 0.0 | 1.6 | 0.1 | 1.3 | 1.0 | 7.6 |
| 1983 | 145.8 | 83.4 | 285.5 | 505.8 | 529.9 | 261.5 | 0.3 | 0.0 | 0.0 | 4.0 | 0.0 | 3.4 | 1819.6 |
| 1984 | 0.0 | 10.5 | 0.8 | 0.1 | 0.1 | 0.1 | 0.1 | 0.5 | 0.0 | 0.9 | 0.0 | 0.1 | 12.9 |
| 1985 | 0.0 | 0.1 | 11.7 | 0.0 | 1.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.1 | 0.0 | 0.3 | 14.3 |
| 1986 | 5.9 | 3.3 | 0.5 | 2.9 | 1.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 | 2.1 | 0.1 | 16.4 |
| 1987 | 10.2 | 45.7 | 25.3 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.1 | 0.0 | 96.2 |
| 1988 | 0.1 | 0.6 | 0.1 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 6.5 |
| 1989 | 3.6 | 9.6 | 18.9 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 32.2 |
| 1990 | 0.3 | 0.3 | 0.7 | 1.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.6 | 1.1 | 6.3 |
| 1991 | 0.4 | 2.0 | 0.5 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.4 | 8.8 |
| 1992 | 0.0 | 13.4 | 77.8 | 73.6 | 0.0 | 0.2 | 0.0 | | 0.0 | 0.0 | 0.0 | | |
| 1993 | 0.0 | | 12.5 | 7.3 | 0.1 | | | | | | | | |
| 1994 | | | | | | | 0.0 | 0.0 | 1.0 | 0.2 | | 6.1 | |
| 1995 | 3.9 | 8.8 | 0.0 | 0.9 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 1.9 | 0.3 | 16.0 |
| 1996 | 0.0 | 3.0 | 1.7 | 2.9 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 |
| 1997 | 0.5 | 2.9 | 0.4 | 1.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 2.7 | 1.6 | 82.0 | 91.6 |
| 1998 | 307.7 | 223.6 | 296.8 | 24.9 | 4.2 | 20.3 | 0.0 | 0.0 | 0.0 | 0.1 | 1.1 | 0.0 | 878.7 |
| 1999 | 4.0 | 48.9 | 2.5 | 7.0 | 1.6 | 2.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 3.0 | 69.5 |
| 2000 | 0.0 | 3.1 | 0.5 | 11.5 | 1.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 8.4 | 25.0 |
| 2001 | 8.8 | 2.0 | 57.5 | 12.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 1.6 | 0.9 | 83.4 |
| 2002 | 0.0 | 3.3 | 56.8 | 30.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.2 | 0.5 | 92.3 |
| 2003 | 2.5 | 8.6 | 0.4 | 0.1 | 0.0 | 1.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.3 | 2.3 | 15.4 |
| 2004 | 2.7 | 0.4 | 0.2 | 0.0 | 0.3 | 0.0 | 1.5 | 0.0 | 0.0 | 1.0 | 0.0 | 5.3 | 11.5 |
| 2005 | 0.5 | 0.1 | 2.3 | 0.4 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 3.7 |
| 2006 | 0.5 | 7.7 | 13.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.8 | 4.1 | 26.6 |
| 2007 | 3.8 | 0.0 | 4.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 |
| 2008 | 16.9 | 109.0 | 21.3 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150.4 |
| 2009 | 10.1 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 18.9 |
| 2010 | 0.1 | 67.0 | 37.6 | 4.2 | 3.1 | | | | | | | | |
| Pp Maxima | 307.7 | 223.6 | 296.8 | 505.8 | 529.9 | 261.5 | 1.5 | 2.5 | 1.9 | 4.0 | 2.1 | 82.0 | 1819.6 |
| Pp Media | 14.7 | 17.7 | 28.1 | 17.3 | 12.8 | 7.2 | 0.1 | 0.1 | 0.2 | 0.4 | 0.3 | 3.1 | 100.8 |
| Pp Minima | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |

| | | | | |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|
| CUENCA CHIRA | ESTACION LA ESPERANZA | DEPARTAMENTO PIURA | LONGITUD 81° 04'4 | LATITUD 04° 55'55 |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|

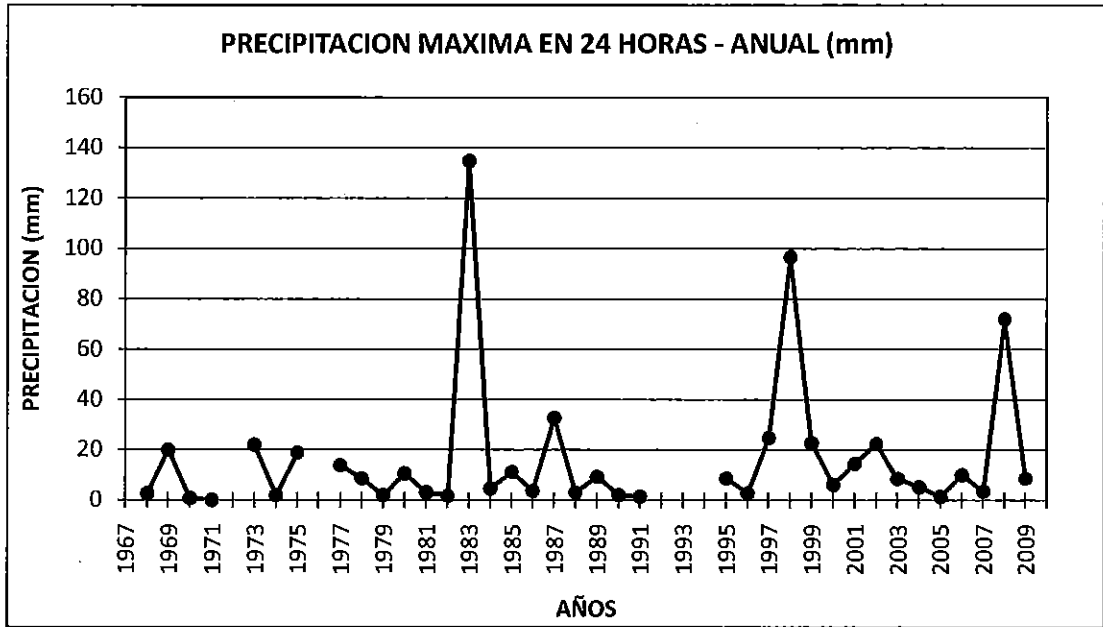


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|--------------|--------------|----------|-----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | LA ESPERANZA | PIURA | 81° 04'4 | 04° 55'55 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|------|-------|------|-------|-------|-----|-----|-----|-----|-----|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1967 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | |
| 1968 | 0.0 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 2.8 |
| 1969 | 0.4 | 10.2 | 20.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 |
| 1970 | 0.0 | 0.0 | 0.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| 1971 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1972 | | 0.6 | 115.2 | 6.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 1.6 | |
| 1973 | 22.0 | 2.1 | 2.0 | 1.9 | 0.0 | 0.2 | 0.0 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 22.0 |
| 1974 | 1.7 | 2.0 | 0.0 | 0.7 | 0.1 | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | 2.0 |
| 1975 | 1.1 | 1.8 | 18.9 | 0.4 | 0.2 | 3.2 | 0.0 | 1.3 | 0.1 | 0.0 | 0.0 | 0.0 | 18.9 |
| 1976 | 18.9 | 10.8 | 0.0 | 0.0 | 0.5 | 0.2 | 0.0 | 0.2 | 0.0 | 0.1 | | 0.0 | |
| 1977 | 0.0 | 13.9 | 1.8 | 1.2 | 0.0 | 0.2 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 13.9 |
| 1978 | 0.0 | 0.3 | 8.7 | 1.2 | 0.1 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 |
| 1979 | 2.0 | 0.0 | 0.3 | 0.1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.0 |
| 1980 | 0.0 | 0.0 | 10.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 10.7 |
| 1981 | 0.0 | 0.8 | 3.2 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 |
| 1982 | 0.0 | 0.0 | 0.0 | 0.4 | 1.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 1.3 | 1.0 | 1.8 |
| 1983 | 46.5 | 37.0 | 59.6 | 74.6 | 134.8 | 116.8 | 0.2 | 0.0 | 0.0 | 4.0 | 0.0 | 2.0 | 134.8 |
| 1984 | 0.0 | 4.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.9 | 0.0 | 0.0 | 4.6 |
| 1985 | 0.0 | 0.0 | 11.3 | 0.0 | 0.9 | 0.0 | 0.0 | 1.1 | 0.0 | 0.1 | 0.0 | 0.3 | 11.3 |
| 1986 | 3.8 | 3.1 | 0.3 | 1.1 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.9 | 0.0 | 3.8 |
| 1987 | 4.4 | 32.8 | 11.9 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.1 | 0.0 | 32.8 |
| 1988 | 0.1 | 0.5 | 0.1 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 |
| 1989 | 1.5 | 6.5 | 9.3 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 9.3 |
| 1990 | 0.3 | 0.3 | 0.4 | 0.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.6 | 0.8 | 2.1 |
| 1991 | 0.3 | 1.5 | 0.5 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.4 | 1.5 |
| 1992 | 0.0 | 11.7 | 55.6 | 27.2 | 0.0 | 0.2 | 0.0 | | 0.0 | 0.0 | 0.0 | | |
| 1993 | 0.0 | | 4.9 | 2.5 | 0.1 | | | | | | | | |
| 1994 | | | | | | | 0.0 | 0.0 | 1.0 | 0.2 | | 3.8 | |
| 1995 | 3.4 | 8.8 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 1.9 | 0.2 | 8.8 |
| 1996 | 0.0 | 1.6 | 1.7 | 2.9 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 |
| 1997 | 0.5 | 1.4 | 0.4 | 0.9 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 2.7 | 1.3 | 24.7 | 24.7 |
| 1998 | 96.6 | 54.1 | 71.1 | 7.6 | 2.6 | 20.3 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 96.6 |
| 1999 | 2.8 | 22.8 | 1.3 | 5.4 | 1.0 | 1.5 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 2.6 | 22.8 |
| 2000 | 0.0 | 1.2 | 0.4 | 3.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 6.2 |
| 2001 | 8.7 | 1.2 | 14.5 | 9.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.6 | 14.5 |
| 2002 | 0.0 | 1.8 | 20.2 | 22.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.2 | 0.5 | 22.4 |
| 2003 | 1.9 | 8.6 | 0.4 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | 8.6 |
| 2004 | 1.5 | 0.3 | 0.2 | 0.0 | 0.2 | 0.0 | 1.5 | 0.0 | 0.0 | 1.0 | 0.0 | 5.3 | 5.3 |
| 2005 | 0.5 | 0.1 | 1.5 | 0.3 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| 2006 | 0.4 | 3.5 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.8 | 4.1 | 10.0 |
| 2007 | 3.7 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 |
| 2008 | 7.5 | 72.0 | 7.1 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.0 |
| 2009 | 8.7 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 8.7 |
| 2010 | 0.0 | 59.5 | 14.0 | 2.4 | 3.1 | | | | | | | | |

| | | | | |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|
| CUENCA CHIRA | ESTACION LA ESPERANZA | DEPARTAMENTO PIURA | LONGITUD 81° 04'4 | LATITUD 04° 55'55 |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|



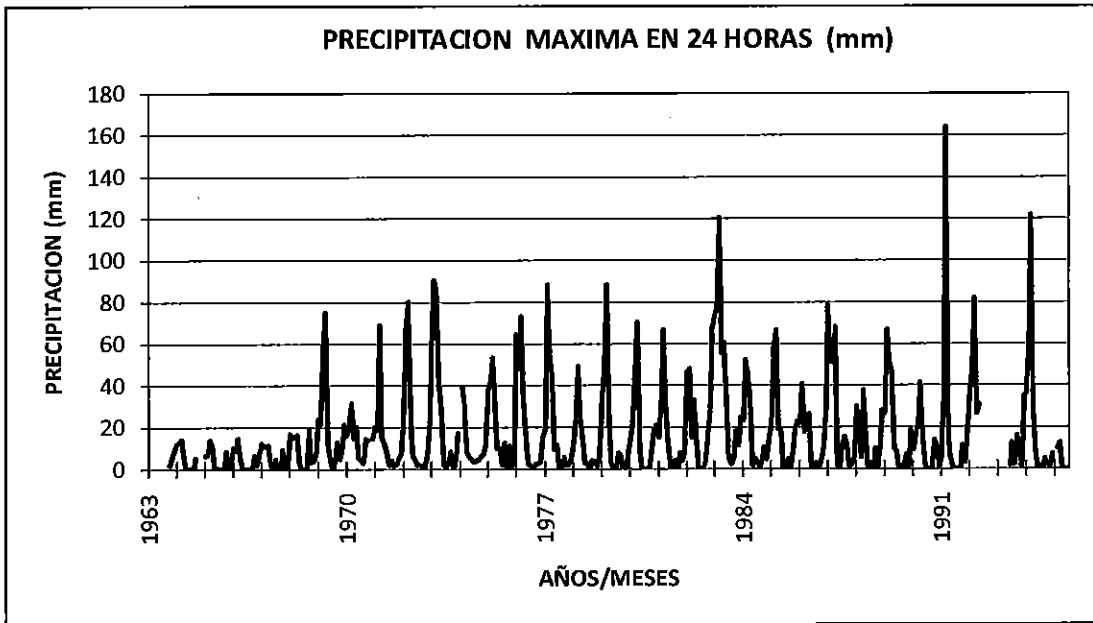
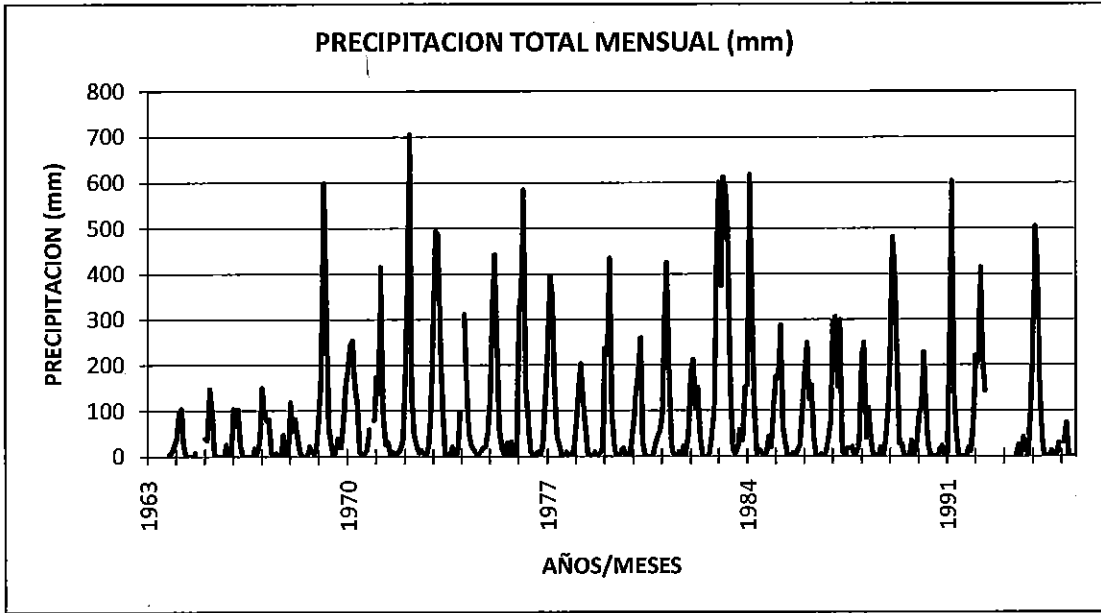
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|
| CUENCA CHIRA | ESTACION LA ESPERANZA | DEPARTAMENTO PIURA | LONGITUD 81° 04'4 | LATITUD 04° 55'55 |
|-----------------|--------------------------|-----------------------|----------------------|----------------------|

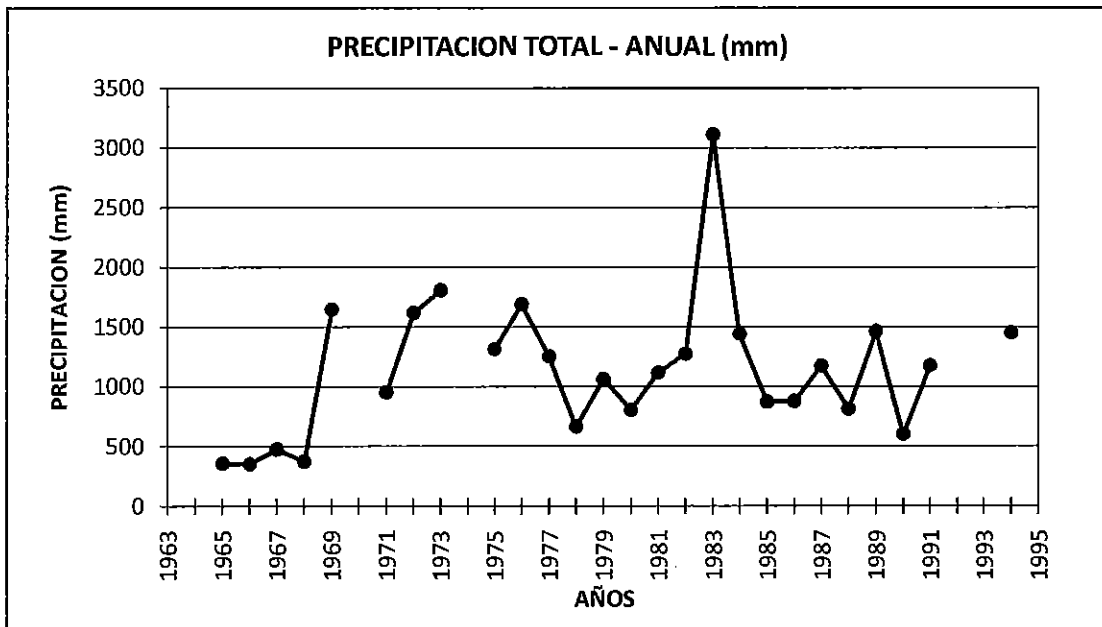
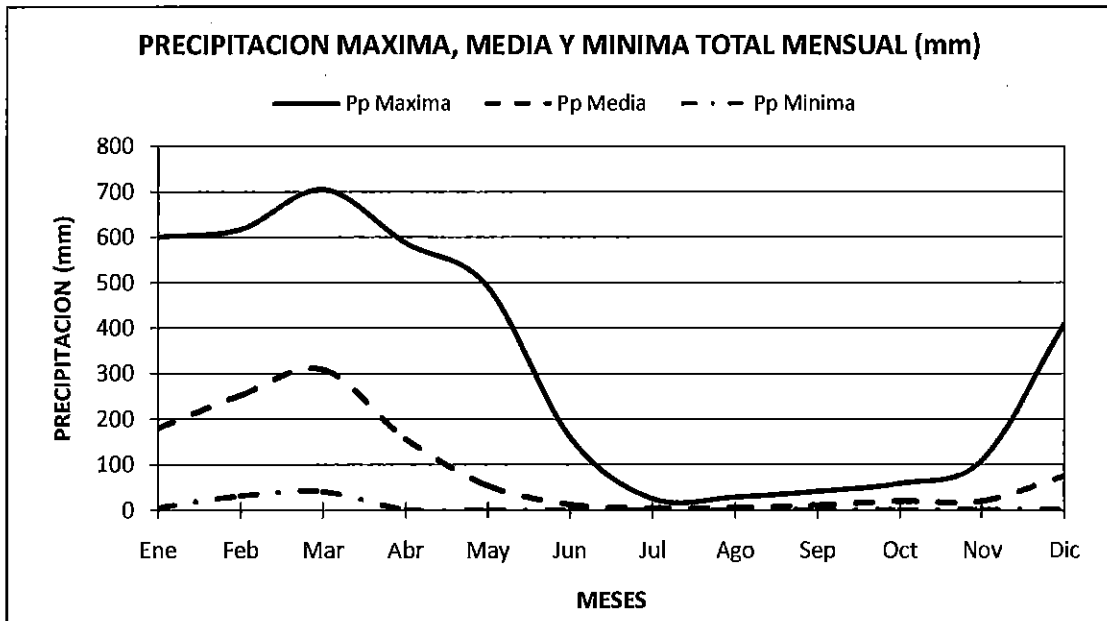
| Año | Total |
|------|--------|
| 1967 | |
| 1968 | 5.8 |
| 1969 | 42.2 |
| 1970 | 2.9 |
| 1971 | 0.3 |
| 1972 | |
| 1973 | 39.5 |
| 1974 | 7.9 |
| 1975 | 35.3 |
| 1976 | |
| 1977 | 34.2 |
| 1978 | 16.4 |
| 1979 | 4.5 |
| 1980 | 12.7 |
| 1981 | 9.9 |
| 1982 | 7.6 |
| 1983 | 1819.6 |
| 1984 | 12.9 |
| 1985 | 14.3 |
| 1986 | 16.4 |
| 1987 | 96.2 |
| 1988 | 6.5 |
| 1989 | 32.2 |
| 1990 | 6.3 |
| 1991 | 8.8 |
| 1992 | |
| 1993 | |
| 1994 | |
| 1995 | 16.0 |
| 1996 | 8.1 |
| 1997 | 91.6 |
| 1998 | 878.7 |
| 1999 | 69.5 |
| 2000 | 25.0 |
| 2001 | 83.4 |
| 2002 | 92.3 |
| 2003 | 15.4 |
| 2004 | 11.5 |
| 2005 | 3.7 |
| 2006 | 26.6 |
| 2007 | 8.1 |
| 2008 | 150.4 |
| 2009 | 18.9 |
| 2010 | |

| | |
|----------|-------|
| CUENCA | CHIRA |
| ESTACION | FRIAS |

| | | | | |
|-----------------|-------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION FRIAS | DEPARTAMENTO PIURA | LONGITUD 79° 51'1 | LATITUD 04° 56'1 |
|-----------------|-------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|-------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION FRIAS | DEPARTAMENTO PIURA | LONGITUD 79° 51'1 | LATITUD 04° 56'1 |
|-----------------|-------------------|-----------------------|----------------------|---------------------|

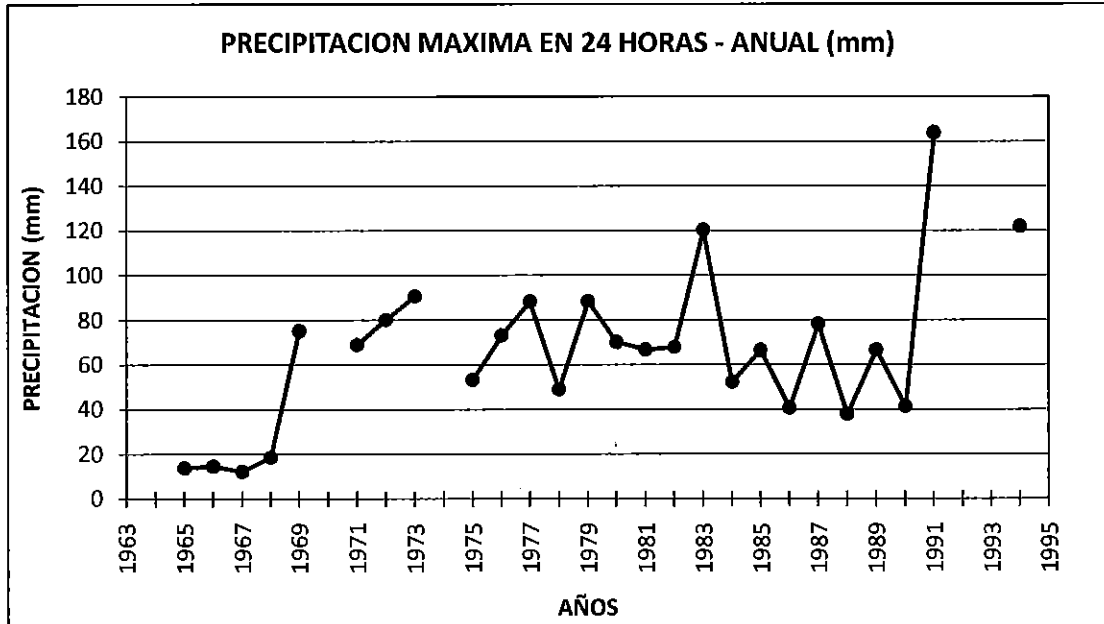


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|----------|--------------|----------|----------|
| CUENCA | ESTACIÓN | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | FRIAS | PIURA | 79° 51'1 | 04° 56'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1963 | | | | | | | | | | 1.9 | 6.2 | 9.8 | |
| 1964 | 12.0 | 13.0 | 14.2 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | | | | |
| 1965 | 6.5 | 6.7 | 13.8 | 11.2 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 8.5 | 0.0 | 4.0 | 13.8 |
| 1966 | 10.1 | 8.9 | 14.7 | 5.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 2.2 | 7.2 | 14.7 |
| 1967 | 12.2 | 11.3 | 10.5 | 11.4 | 2.2 | 0.0 | 4.7 | 0.0 | 0.0 | 9.2 | 0.0 | 1.8 | 12.2 |
| 1968 | 16.7 | 15.0 | 15.5 | 16.2 | 3.7 | 0.0 | 0.0 | 0.0 | 18.6 | 3.4 | 3.7 | 7.8 | 18.6 |
| 1969 | 23.9 | 21.5 | 58.6 | 75.2 | 11.7 | 5.8 | 0.0 | 4.6 | 12.9 | 5.0 | 10.2 | 21.4 | 75.2 |
| 1970 | 16.3 | 20.9 | 31.4 | 14.8 | 20.3 | 5.3 | 4.4 | 3.1 | 14.3 | 13.9 | | 14.7 | |
| 1971 | 20.3 | 18.8 | 69.0 | 15.5 | 12.3 | 8.4 | 1.9 | 4.3 | 1.8 | 2.4 | 5.4 | 7.8 | 69.0 |
| 1972 | 25.8 | 66.8 | 80.2 | 25.3 | 6.6 | 4.5 | 2.0 | 2.0 | 1.4 | 1.2 | 5.8 | 20.7 | 80.2 |
| 1973 | 61.4 | 90.7 | 86.3 | 42.0 | 27.7 | 2.8 | 0.8 | 3.5 | 8.5 | 0.2 | 2.8 | 17.3 | 90.7 |
| 1974 | | 39.0 | 31.6 | 8.3 | 6.2 | 4.6 | 3.5 | 4.0 | 4.4 | 6.0 | 7.1 | 11.1 | |
| 1975 | 37.4 | 41.5 | 53.4 | 31.4 | 9.8 | 10.1 | 2.2 | 12.4 | 0.9 | 11.2 | 1.0 | 6.1 | 53.4 |
| 1976 | 64.5 | 48.2 | 73.2 | 32.9 | 15.2 | 2.7 | 1.6 | 1.2 | 2.2 | 2.7 | 3.5 | 15.5 | 73.2 |
| 1977 | 19.1 | 88.4 | 55.3 | 44.4 | 9.5 | 11.6 | 0.7 | 0.8 | 5.6 | 1.9 | 2.0 | 5.6 | 88.4 |
| 1978 | 11.7 | 24.1 | 49.1 | 24.2 | 14.3 | 3.0 | 2.8 | 0.0 | 4.0 | 3.4 | 1.6 | 6.4 | 49.1 |
| 1979 | 32.6 | 47.3 | 88.5 | 22.4 | 3.2 | 0.0 | 0.4 | 7.6 | 6.9 | 0.0 | 0.0 | 7.0 | 88.5 |
| 1980 | 13.1 | 22.1 | 44.9 | 70.3 | 9.0 | 0.3 | 0.1 | 0.0 | 0.0 | 9.1 | 18.3 | 21.0 | 70.3 |
| 1981 | 15.3 | 30.1 | 66.7 | 30.9 | 12.1 | 1.5 | 0.4 | 4.1 | 0.0 | 7.3 | 3.8 | 8.7 | 66.7 |
| 1982 | 46.5 | 48.1 | 15.2 | 33.1 | 16.3 | 0.3 | 0.5 | 0.0 | 3.9 | 17.6 | 28.6 | 68.0 | 68.0 |
| 1983 | 73.0 | 77.7 | 120.6 | 55.7 | 60.7 | 32.1 | 5.3 | 2.5 | 4.3 | 18.2 | 11.2 | 24.8 | 120.6 |
| 1984 | 23.4 | 52.3 | 46.0 | 31.8 | 1.7 | 5.1 | 3.5 | 1.0 | 4.1 | 10.4 | 4.7 | 15.4 | 52.3 |
| 1985 | 22.2 | 59.0 | 66.6 | 19.2 | 19.0 | 1.0 | 0.0 | 4.8 | 0.0 | 8.3 | 19.6 | 22.7 | 66.6 |
| 1986 | 21.8 | 40.8 | 17.8 | 25.8 | 26.3 | 0.0 | 0.0 | 3.0 | 0.5 | 3.5 | 9.5 | 28.0 | 40.8 |
| 1987 | 78.4 | 51.8 | 51.0 | 68.2 | 1.7 | 0.7 | 11.9 | 15.3 | 11.9 | 1.0 | 2.2 | 5.8 | 78.4 |
| 1988 | 29.8 | 26.0 | 5.7 | 37.9 | 13.4 | 0.4 | 2.6 | 0.0 | 10.0 | 0.0 | 11.1 | 28.3 | 37.9 |
| 1989 | 26.6 | 66.8 | 51.6 | 46.6 | 9.8 | 8.5 | 0.8 | 0.2 | 2.2 | 6.8 | 0.0 | 19.0 | 66.8 |
| 1990 | 9.0 | 16.2 | 22.9 | 41.4 | 15.7 | 2.4 | 0.0 | 0.0 | 0.0 | 13.7 | 11.4 | 1.0 | 41.4 |
| 1991 | 4.8 | 38.0 | 164.0 | 16.5 | 5.8 | 0.8 | 0.0 | 0.0 | 0.5 | 11.2 | 3.0 | 19.8 | 164.0 |
| 1992 | 36.5 | 47.4 | 82.0 | 26.6 | 31.0 | | | | | | | | |
| 1993 | | | | | | 1.7 | 12.5 | 2.4 | 16.0 | 12.2 | 0.5 | 35.0 | |
| 1994 | 36.3 | 61.0 | 122.0 | 30.0 | 8.0 | 0.5 | 1.5 | 0.8 | 5.0 | 1.9 | 1.0 | 7.2 | 122.0 |
| 1995 | | 10.0 | 12.5 | 1.0 | 0.0 | 0.0 | 0.0 | | | | | | |

| | | | | |
|-----------------|-------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION FRIAS | DEPARTAMENTO PIURA | LONGITUD 79° 51'1 | LATITUD 04° 56'1 |
|-----------------|-------------------|-----------------------|----------------------|---------------------|



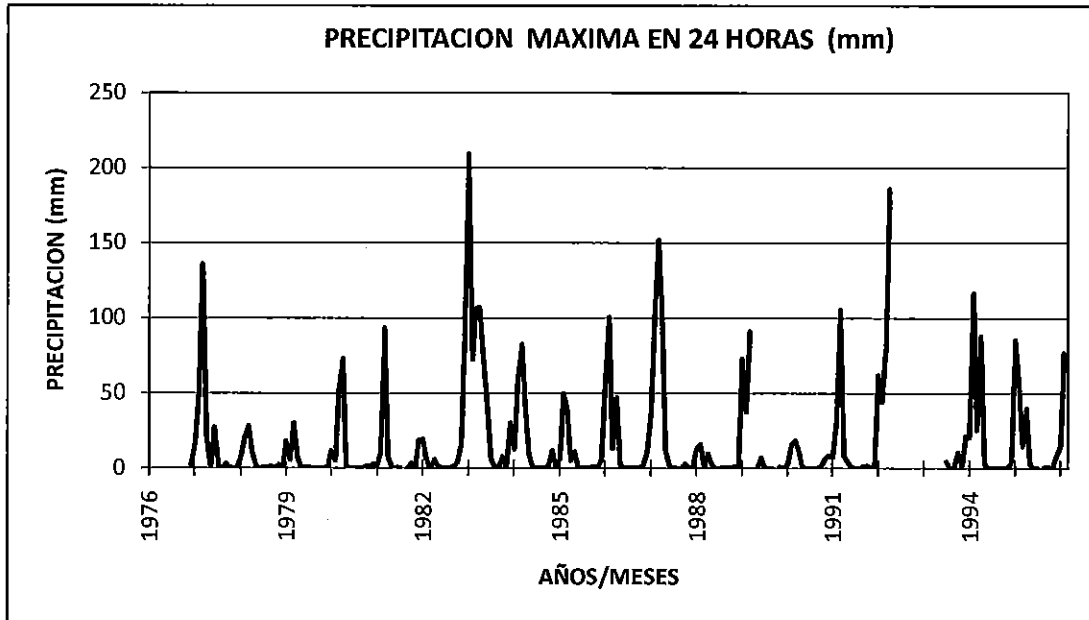
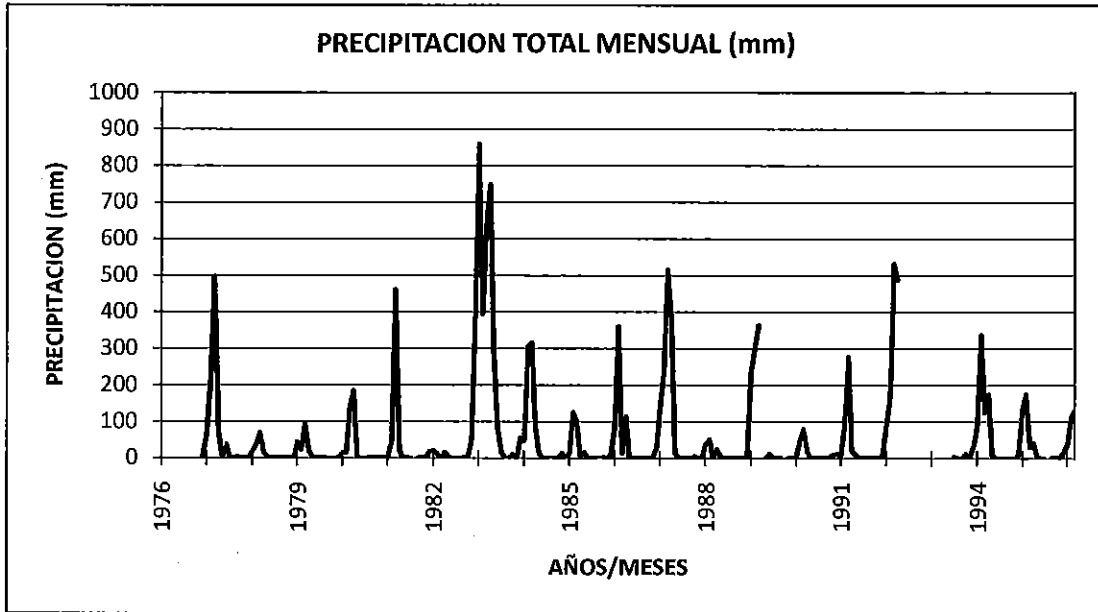
PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|-------------------|-----------------------|----------------------|----------------------|
| CUENCA CHIRA | ESTACION FRIAS | DEPARTAMENTO PIURA | LONGITUD 79° 5'1" | LATITUD 04° 58'1" |
|-----------------|-------------------|-----------------------|----------------------|----------------------|

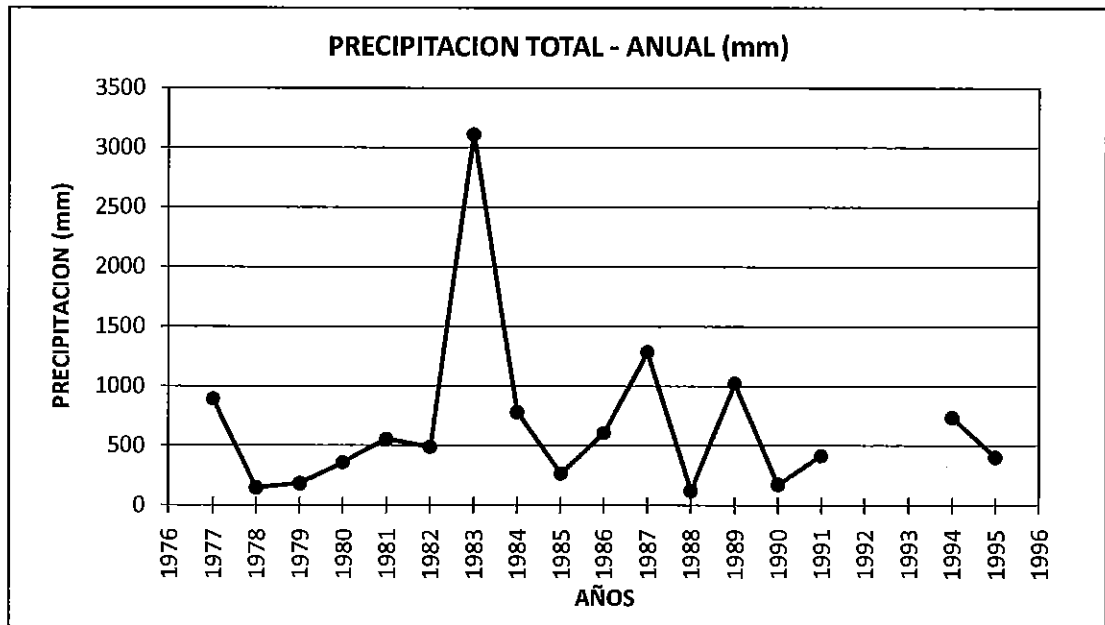
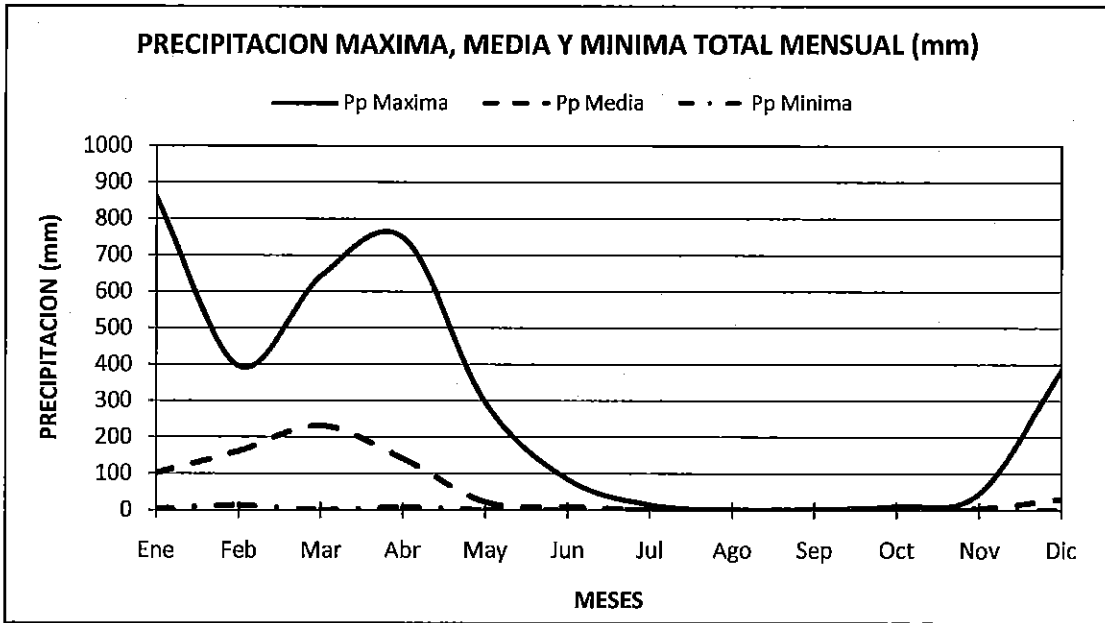
| Año | Total |
|------|--------|
| 1963 | |
| 1964 | |
| 1965 | 361.1 |
| 1966 | 354.8 |
| 1967 | 478.2 |
| 1968 | 375.4 |
| 1969 | 1648.3 |
| 1970 | |
| 1971 | 953.4 |
| 1972 | 1620.7 |
| 1973 | 1809.5 |
| 1974 | |
| 1975 | 1315.5 |
| 1976 | 1689.8 |
| 1977 | 1254.2 |
| 1978 | 667.3 |
| 1979 | 1064.9 |
| 1980 | 804.4 |
| 1981 | 1118.2 |
| 1982 | 1274.9 |
| 1983 | 3114.8 |
| 1984 | 1443.3 |
| 1985 | 874.7 |
| 1986 | 879.4 |
| 1987 | 1174.4 |
| 1988 | 815.1 |
| 1989 | 1465.7 |
| 1990 | 603.3 |
| 1991 | 1177.0 |
| 1992 | |
| 1993 | |
| 1994 | 1453.8 |
| 1995 | |

| | |
|-----------------|-------------------|
| CUENCA | CHIRA |
| ESTACION | EL CIRUELO |

| | | | | |
|-----------------|------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION EL CIRUELO | DEPARTAMENTO PIURA | LONGITUD 80° 09'1 | LATITUD 04° 18'1 |
|-----------------|------------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION EL CIRUELO | DEPARTAMENTO PIURA | LONGITUD 80° 09'1 | LATITUD 04° 18'1 |
|-----------------|------------------------|-----------------------|----------------------|---------------------|

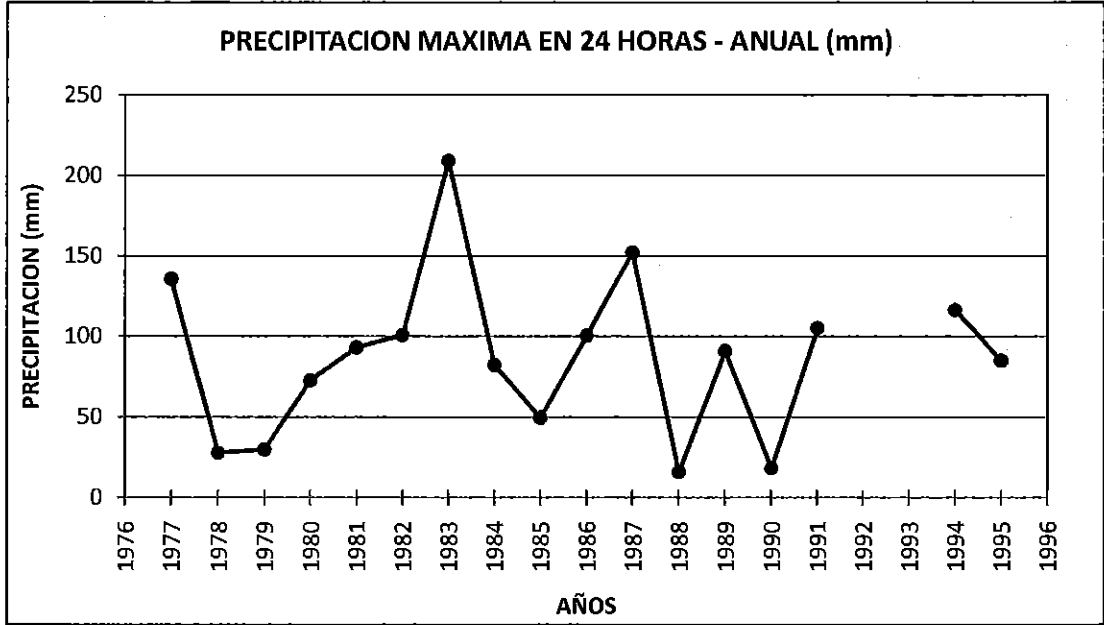


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|---------------|-----------------|---------------------|-----------------|----------------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | EL CIRUELO | PIURA | 80° 09'1 | 04° 18'1 |

| Año | Mes | | | | | | | | | | | | Máx. | |
|------|-------|-------|-------|-------|------|------|-----|-----|-----|------|------|-------|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | | |
| 1976 | | | | | | | | | | | | | 2.3 | |
| 1977 | 14.9 | 47.1 | 135.9 | 22.7 | 1.8 | 26.7 | 1.2 | 0.0 | 3.0 | 0.4 | 0.0 | 0.0 | 0.2 | 135.9 |
| 1978 | 7.3 | 19.7 | 28.0 | 11.1 | 1.2 | 0.1 | 0.4 | 0.0 | 1.3 | 0.0 | 2.1 | 0.0 | 0.0 | 28.0 |
| 1979 | 18.1 | 5.4 | 30.0 | 6.8 | 0.5 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 30.0 |
| 1980 | 11.4 | 5.1 | 52.0 | 72.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.7 | 2.5 | 0.0 | 72.9 |
| 1981 | 2.0 | 10.1 | 93.2 | 7.2 | 0.0 | 0.4 | 0.3 | | 0.0 | 3.2 | 0.5 | 18.2 | 0.0 | 93.2 |
| 1982 | 19.5 | 5.8 | 0.0 | 5.5 | 1.3 | 0.1 | 0.0 | 0.0 | 0.9 | 4.1 | 16.0 | 100.8 | 0.0 | 100.8 |
| 1983 | 209.1 | 72.5 | 106.5 | 107.0 | 73.3 | 42.6 | 5.6 | 0.3 | 0.6 | 7.6 | 0.8 | 30.0 | 0.0 | 209.1 |
| 1984 | 12.8 | 59.5 | 82.5 | 39.8 | 9.2 | 0.2 | 0.0 | 0.3 | 0.5 | 1.1 | 11.8 | 1.0 | 0.0 | 82.5 |
| 1985 | 6.1 | 49.7 | 39.8 | 5.1 | 10.7 | 0.0 | 0.0 | 0.5 | 0.0 | 1.0 | 0.0 | 4.8 | 0.0 | 49.7 |
| 1986 | 51.3 | 100.5 | 12.9 | 46.8 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.6 | 10.4 | 0.0 | 100.5 |
| 1987 | 35.2 | 102.6 | 152.3 | 99.5 | 11.6 | 1.0 | 0.4 | 0.0 | 0.0 | 2.7 | 0.5 | 0.8 | 0.0 | 152.3 |
| 1988 | 12.7 | 16.1 | 1.5 | 9.5 | 2.2 | 0.0 | 0.0 | 0.3 | 0.3 | 0.0 | 1.0 | 0.2 | 0.0 | 16.1 |
| 1989 | 72.7 | 37.6 | 91.0 | 67.6 | 0.1 | 6.7 | 0.3 | 0.1 | 0.0 | | 0.9 | 0.0 | 0.0 | 91.0 |
| 1990 | 2.3 | 15.8 | 18.3 | 11.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 5.8 | 8.3 | 0.0 | 18.3 |
| 1991 | 7.5 | 31.5 | 105.3 | 8.2 | 4.0 | 0.6 | 0.0 | 0.0 | 1.1 | 1.6 | 0.0 | 1.6 | 0.0 | 105.3 |
| 1992 | 61.9 | 44.2 | 81.2 | 186.0 | | | | 0.0 | | | | | | |
| 1993 | | | | | | | 4.4 | 0.0 | 0.0 | 10.1 | 1.7 | 21.3 | | |
| 1994 | 20.5 | 116.5 | 25.5 | 88.0 | 2.8 | 0.0 | 0.4 | 0.0 | 0.1 | 0.1 | 0.0 | 4.0 | 0.0 | 116.5 |
| 1995 | 85.0 | 59.0 | 14.6 | 39.6 | 2.5 | 0.0 | 0.0 | | 0.8 | 0.4 | 0.5 | 7.7 | 0.0 | 85.0 |
| 1996 | 14.5 | 76.5 | 66.0 | | | | | | | | | | | |

| | | | | |
|-----------------|------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION EL CIRUELO | DEPARTAMENTO PIURA | LONGITUD 80° 09'1 | LATITUD 04° 18'1 |
|-----------------|------------------------|-----------------------|----------------------|---------------------|



PRECIPITACION TOTAL ANUAL (mm)

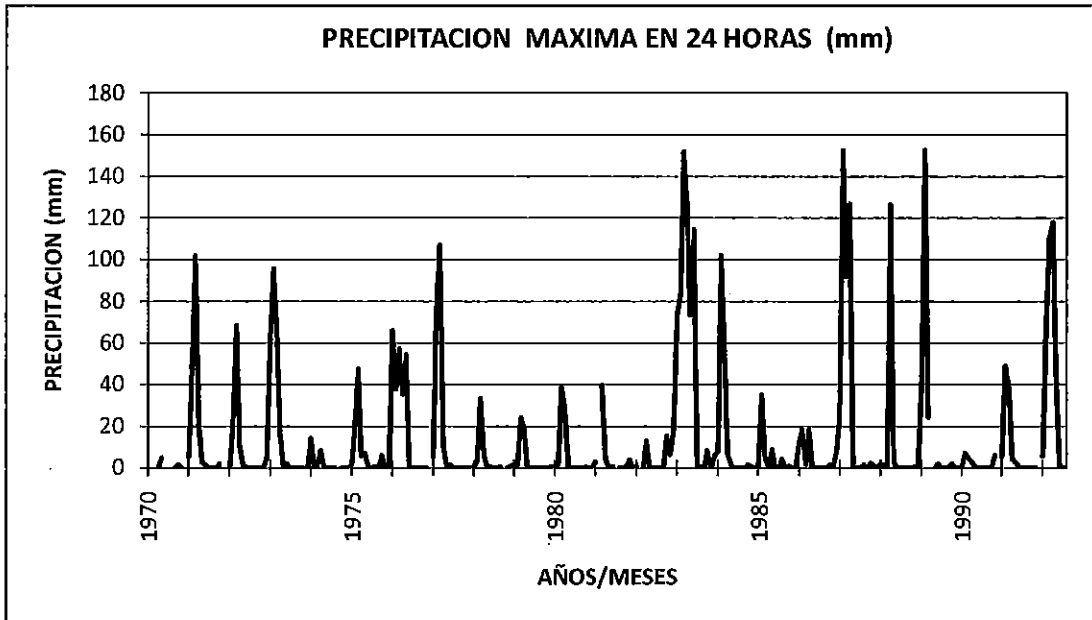
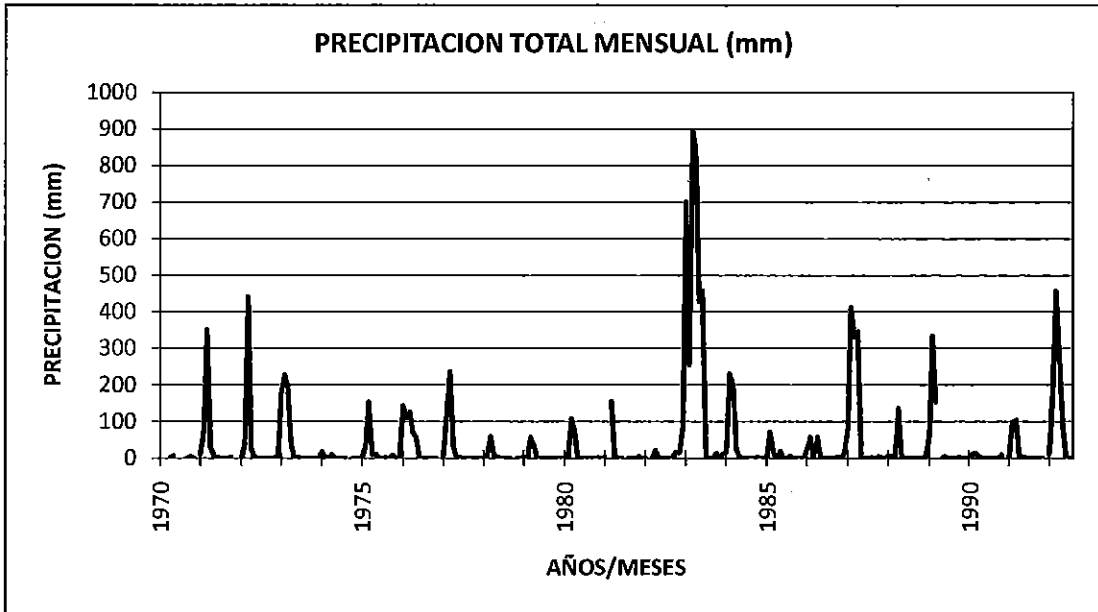
| | | | | |
|-----------------|------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION EL CIRUELO | DEPARTAMENTO PIURA | LONGITUD 80° 09'1 | LATITUD 04° 18'1 |
|-----------------|------------------------|-----------------------|----------------------|---------------------|

| Año | Total |
|------|--------|
| 1976 | |
| 1977 | 894.2 |
| 1978 | 149.3 |
| 1979 | 181.9 |
| 1980 | 360.1 |
| 1981 | 555.2 |
| 1982 | 488.6 |
| 1983 | 3112.6 |
| 1984 | 783.5 |
| 1985 | 265.3 |
| 1986 | 607.9 |
| 1987 | 1288.8 |
| 1988 | 120.4 |
| 1989 | 1023.5 |
| 1990 | 173.9 |
| 1991 | 416.1 |
| 1992 | |
| 1993 | |
| 1994 | 737.6 |
| 1995 | 405.4 |
| 1996 | |

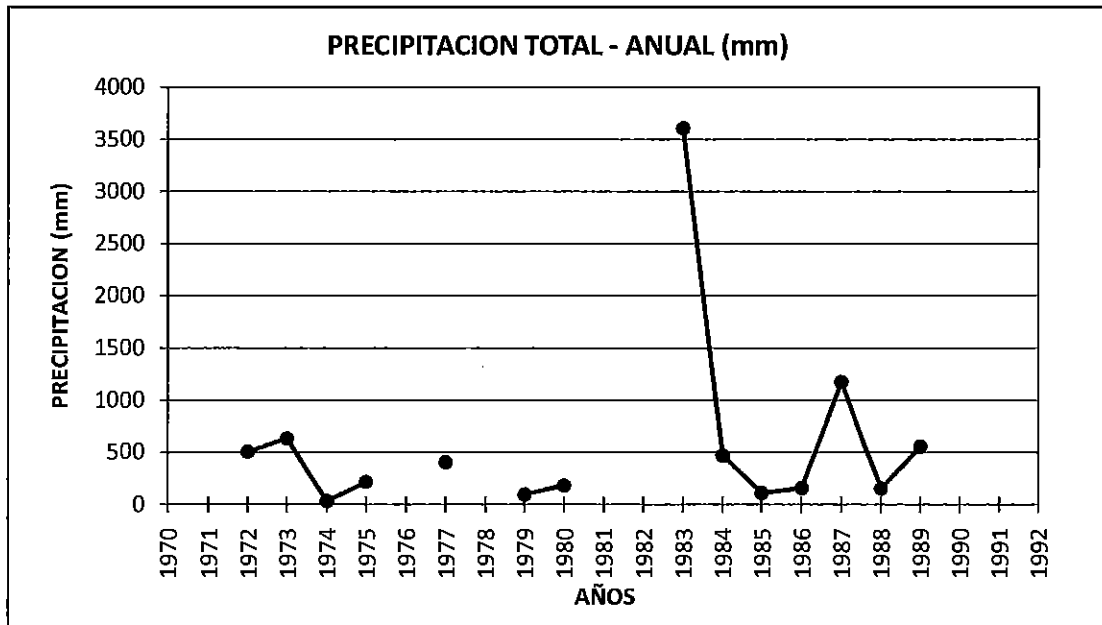
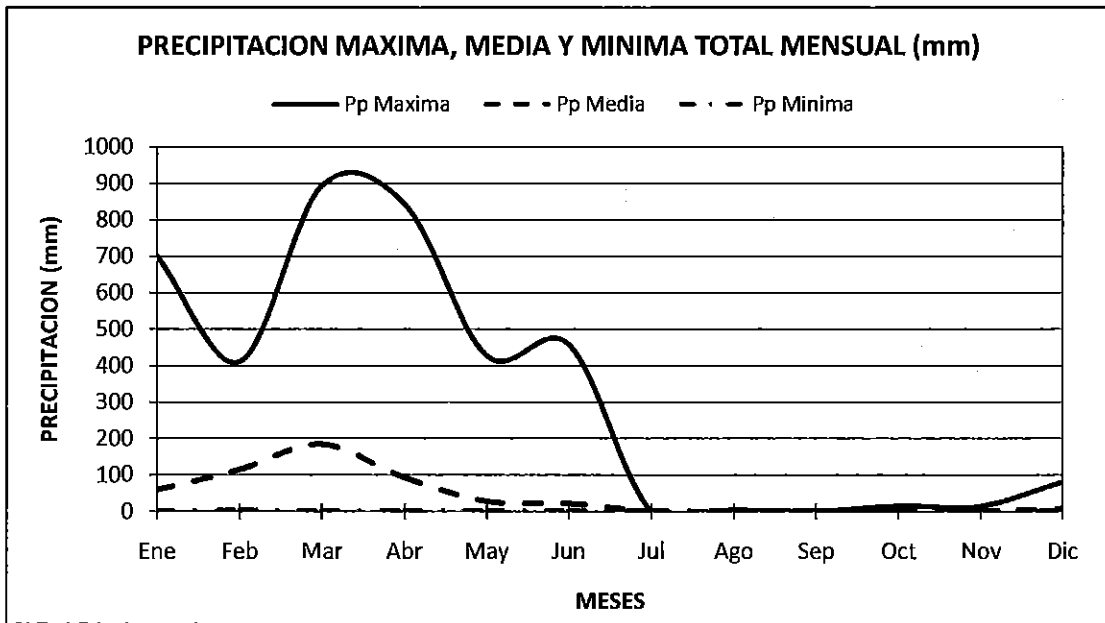
| | |
|----------|-----------------------|
| CUENCA | CHIRA |
| ESTACION | ARDILLA (SOLANA BAJA) |

| Año | Mes | Días | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | | | |
|------|-----|------|-----|-----|------|-----|------|-------|------|------|------|------|-----|------|------|------|------|-------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|------|-----|------|-------|-------|--------|-------|--------|-----|--|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | |
| 1992 | 2 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 44.7 | 2.8 | 39.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.7 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 71.1 | 0.0 | 0.0 | 193.8 | 71.1 | 6.7 | 0.0 | | | | |
| | 3 | 0.0 | 2.6 | 8.0 | 14.0 | 0.0 | 7.3 | 110.5 | 14.6 | 0.0 | 0.0 | 0.0 | 1.4 | 27.7 | 22.0 | 17.2 | 33.7 | 6.7 | 0.0 | 2.8 | 22.1 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 6.7 | 1.3 | 15.7 | 107.5 | 5.1 | 14.7 | 0.0 | | | | |
| | 4 | 1.2 | 0.3 | 1.0 | 2.8 | 7.5 | 35.3 | 0.0 | 0.0 | 4.7 | 10.3 | 23.0 | 0.0 | 0.0 | 2.2 | 0.2 | 28.2 | 117.8 | 15.2 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 268.3 | 117.8 | 8.9 | 0.0 | | |
| | 5 | 22.6 | 0.6 | 0.1 | 0.0 | 0.0 | 43.8 | 0.0 | 1.8 | 0.0 | 0.0 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 4.8 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 | 0.1 | 81.2 | 43.8 | 2.8 | 0.0 | | |
| | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|-----------------|---------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION RDILLA (SOLANA BA.) | DEPARTAMENTO PIURA | LONGITUD 80° 26'1 | LATITUD 04° 31'1 |
|-----------------|---------------------------------|-----------------------|----------------------|---------------------|



| | | | | |
|-----------------|---------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION RDILLA (SOLANA BA.) | DEPARTAMENTO PIURA | LONGITUD 80° 26'1 | LATITUD 04° 31'1 |
|-----------------|---------------------------------|-----------------------|----------------------|---------------------|

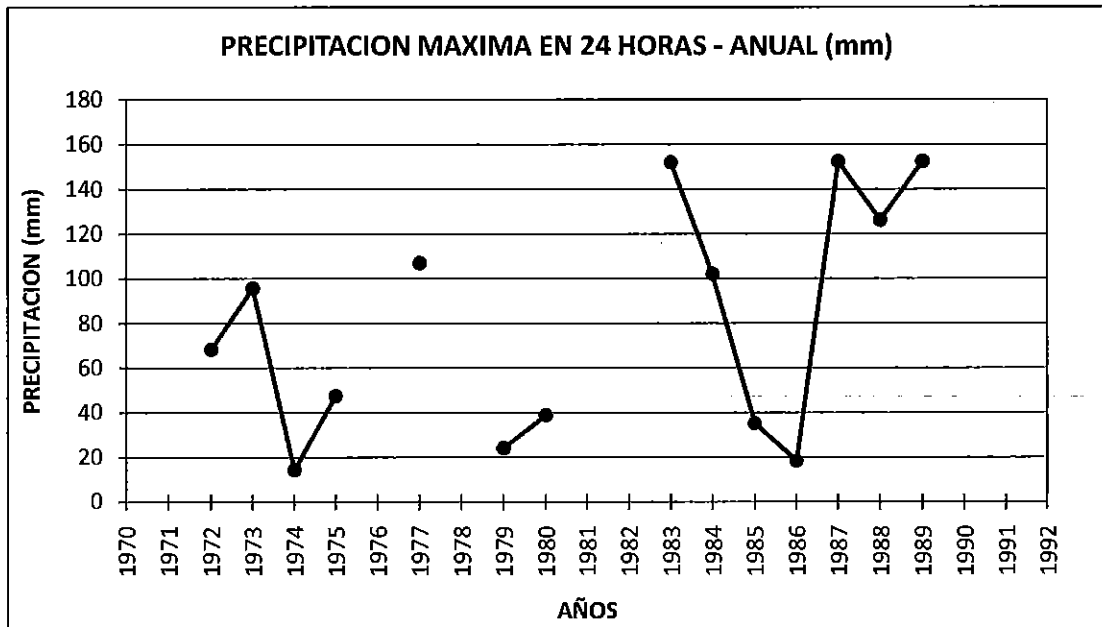


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|----------------------|--------------|----------|----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CHIRA | ARDILLA (SOLANA BA.) | PIURA | 80° 26'1 | 04° 31'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|-------|-------|-------|------|-------|-----|-----|-----|------|-----|------|-------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1970 | | | | 0.0 | 5.0 | | | | 0.0 | 1.6 | 0.3 | | |
| 1971 | 5.4 | 49.8 | 101.7 | 21.3 | 2.8 | 1.1 | 0.0 | 0.0 | 0.0 | 2.1 | | | |
| 1972 | 0.0 | 21.5 | 68.4 | 11.0 | 1.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 68.4 |
| 1973 | 59.6 | 95.8 | 65.0 | 17.1 | 0.0 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 95.8 |
| 1974 | 14.4 | 1.5 | 1.4 | 8.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 14.4 |
| 1975 | 1.1 | 19.3 | 47.5 | 5.7 | 7.0 | 0.5 | 0.0 | 0.8 | 0.0 | 6.0 | 0.0 | 0.0 | 47.5 |
| 1976 | 65.9 | 37.7 | 57.1 | 35.6 | 54.4 | 0.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | | |
| 1977 | 5.6 | 76.5 | 107.1 | 10.7 | 0.4 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 107.1 |
| 1978 | 0.0 | 3.6 | 33.4 | 6.2 | 0.7 | 0.7 | 0.0 | 0.0 | 0.6 | | 0.0 | 0.9 | |
| 1979 | 1.5 | 1.5 | 24.1 | 18.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 24.1 |
| 1980 | 0.0 | 2.0 | 38.7 | 29.2 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 | 0.3 | 38.7 |
| 1981 | 2.9 | | 39.8 | 4.1 | 0.0 | 0.8 | | 0.0 | 0.0 | 0.9 | 3.9 | 0.1 | |
| 1982 | 0.9 | | 0.0 | 13.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.5 | 15.5 | 6.5 | 17.9 | |
| 1983 | 73.5 | 83.3 | 151.9 | 124.5 | 73.2 | 114.5 | 0.2 | 0.8 | 0.0 | 8.3 | 0.0 | 5.8 | 151.9 |
| 1984 | 7.9 | 102.1 | 54.9 | 6.6 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 0.7 | 0.0 | 102.1 |
| 1985 | 1.1 | 35.1 | 5.6 | 0.0 | 8.9 | 0.0 | 0.0 | 4.1 | 0.0 | 0.9 | 0.0 | 0.3 | 35.1 |
| 1986 | 12.2 | 18.3 | 1.8 | 18.3 | 0.3 | 0.0 | 0.0 | 0.2 | 0.0 | 1.5 | 0.5 | 8.1 | 18.3 |
| 1987 | 24.9 | 152.4 | 91.9 | 126.6 | 0.0 | 0.0 | 0.2 | 1.5 | 0.0 | 2.4 | 1.1 | 0.0 | 152.4 |
| 1988 | 2.1 | 1.3 | 0.0 | 126.3 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.4 | 126.3 |
| 1989 | 41.7 | 152.5 | 24.2 | | 0.2 | 2.2 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | 152.5 |
| 1990 | 0.3 | 7.1 | 4.6 | 2.8 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 6.2 | | |
| 1991 | 5.6 | 48.8 | 37.4 | 4.2 | 2.7 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | | |
| 1992 | 5.8 | 71.1 | 110.5 | 117.8 | 43.6 | 0.0 | 0.0 | 0.0 | | | | | |

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|-----------------|---------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION ARDILLA (SOLANA BA. | DEPARTAMENTO PIURA | LONGITUD 80° 26'1 | LATITUD 04° 31'1 |
|-----------------|---------------------------------|-----------------------|----------------------|---------------------|



PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|-----------------|-----------------------------------|-----------------------|----------------------|---------------------|
| CUENCA CHIRA | ESTACION ARDILLA (SOLANA BAJA) | DEPARTAMENTO PIURA | LONGITUD 80° 26'1 | LATITUD 04° 31'1 |
|-----------------|-----------------------------------|-----------------------|----------------------|---------------------|

| Año | Total |
|------|--------|
| 1970 | |
| 1971 | |
| 1972 | 506.6 |
| 1973 | 635.7 |
| 1974 | 33.4 |
| 1975 | 218.1 |
| 1976 | |
| 1977 | 408.5 |
| 1978 | |
| 1979 | 95.4 |
| 1980 | 184.5 |
| 1981 | |
| 1982 | |
| 1983 | 3605.5 |
| 1984 | 471.6 |
| 1985 | 112.9 |
| 1986 | 157.3 |
| 1987 | 1176.9 |
| 1988 | 154.1 |
| 1989 | 556.8 |
| 1990 | |
| 1991 | |
| 1992 | |

**RELACION DE ESTACIONES DE LA CUENCA DEL
"RIO CAÑETE"**

| CODIGO | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
|---------------|---------------------------|---------------------|-----------------|----------------|
| 636 | YAUYOS | LIMA | 75° 54'38.2 | 12° 29'31.4 |
| 155450 | YAURICOCHA | LIMA | 75° 43'22.5 | 12° 19'0 |
| 155169 | TOMAS | LIMA | 75° 45'1 | 12° 14'1 |
| 156106 | TANTA | LIMA | 76° 01'1 | 12° 07'1 |
| 6230 | SOCSI CAÑETE | LIMA | 76° 11'40 | 13° 01'42 |
| 638 | PACARAN | LIMA | 76° 03'18.3 | 12° 51'43.4 |
| 6641 | NICOLAS FRANCO SILVERA | LIMA | 76° 05'17 | 12° 53'57 |
| 156112 | HUANTAN | LIMA | 75° 49'1 | 12° 27'1 |
| 156110 | HUANGASCAR | LIMA | 75° 50'2.2 | 12° 53'55.8 |
| 156107 | COLONIA | LIMA | 75° 53'1 | 12° 38'1 |
| 156109 | CARANIA | LIMA | 75° 52'20.7 | 12° 20'40.8 |
| 156104 | AYAVIRI | LIMA | 76° 08'1 | 12° 23'1 |
| 489 | COSMOS | JUNIN | 75° 34'1 | 12° 09'1 |

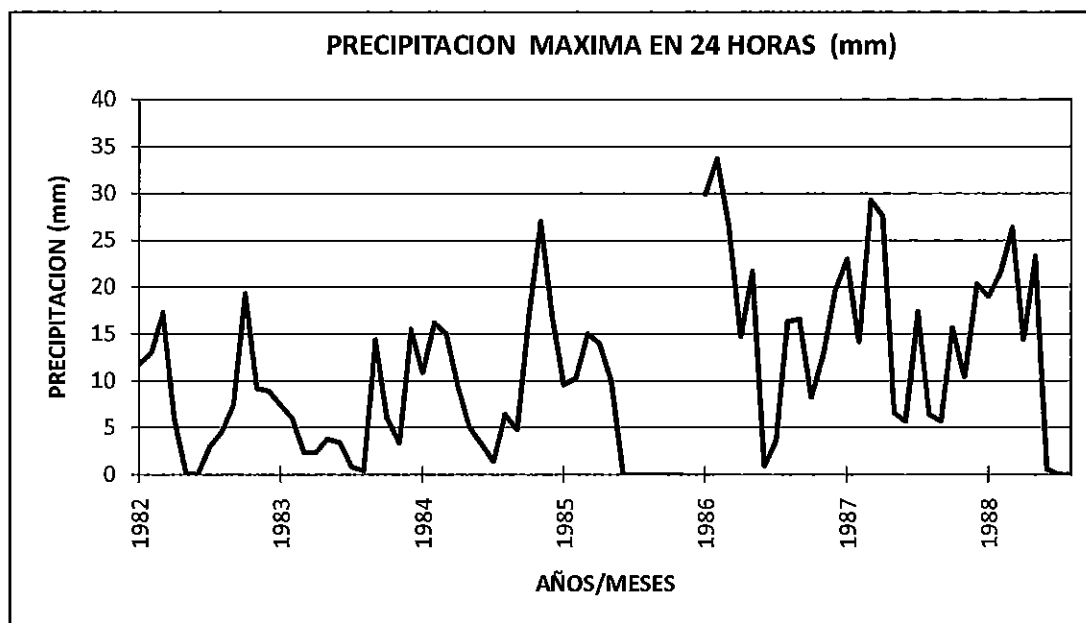
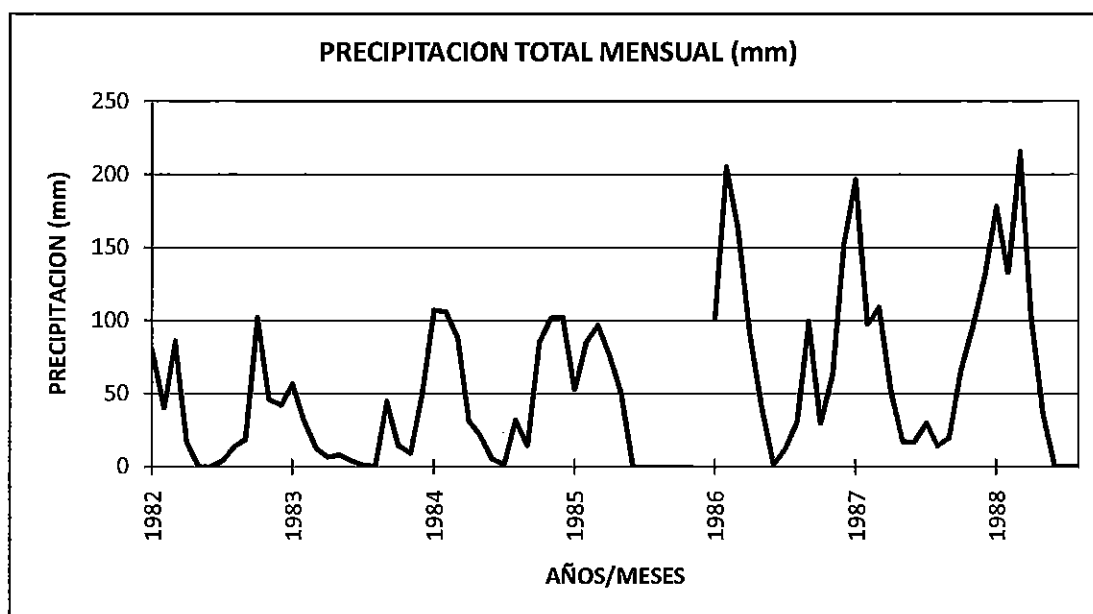
PERIODO Y LONGITUD DE LA INFORMACION DISPONIBLE DE LAS ESTACIONES PLUVIALES

| | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | | | | | | | |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|
| CAÑETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COSMOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AYAVIRI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CARANIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COLONIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUANGASCAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HUANTAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NICOLAS FRANCO SILVERA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PARARAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOCSE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TANTA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOMAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| YAURICOCHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| YAUYS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|--------|
| CUENCA | CAÑETE |
| ESTACION | COSMOS |

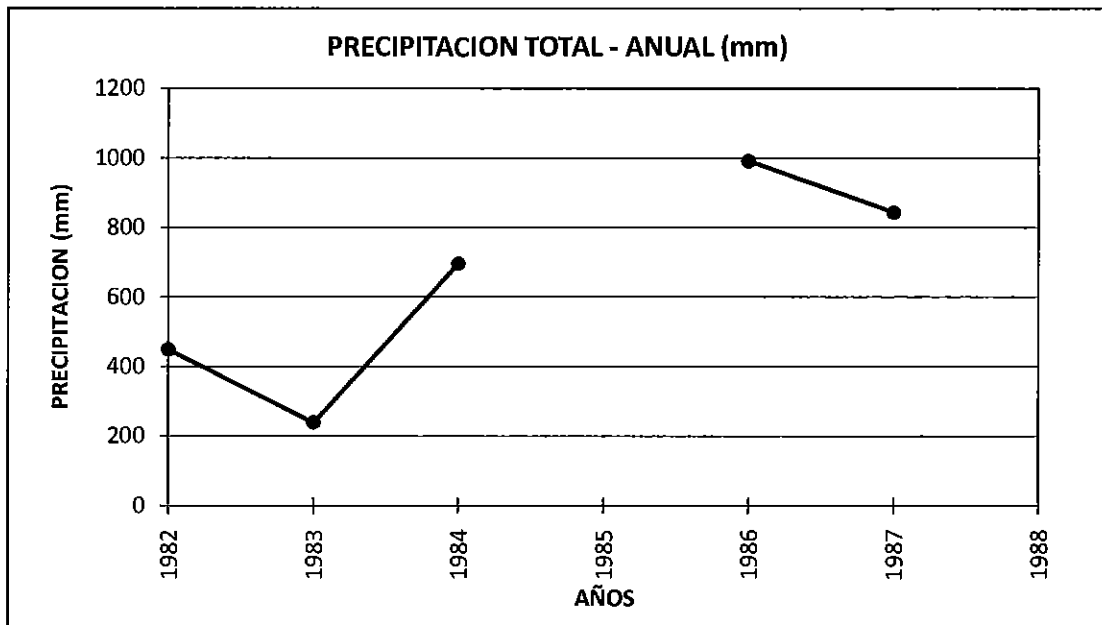
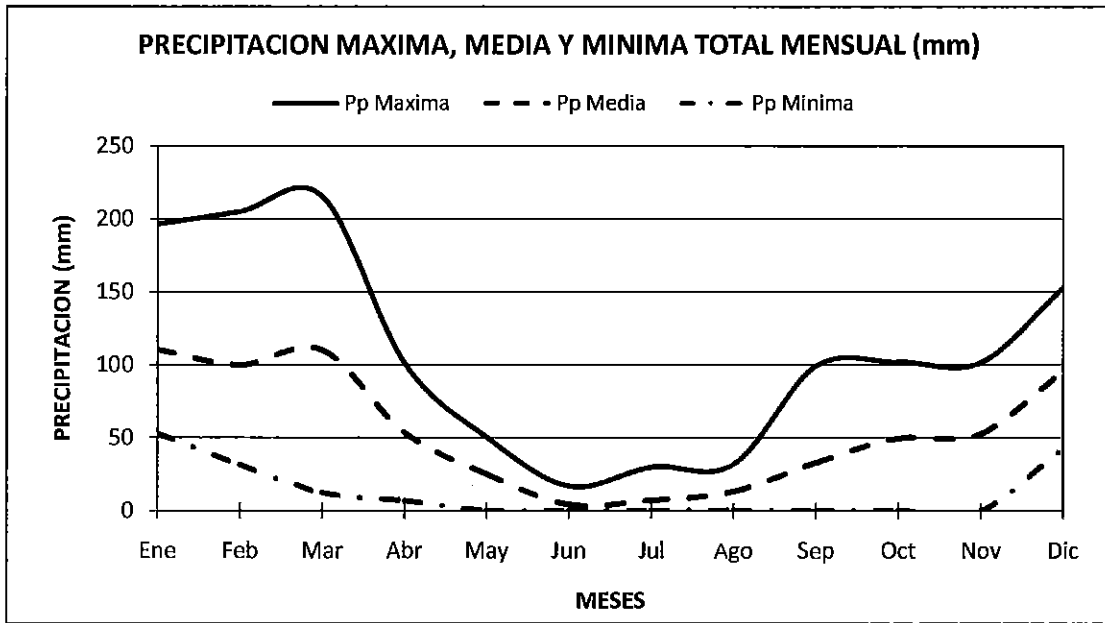
| Año | Mes | Días | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | |
|------|------|------|------|------|------|------|------|------|------|------|-----|------|-----|------|------|-----|------|------|-----|-----|------|------|------|------|-----|------|------|------|------|------|-------|-------|-------|--------|-------|--------|--|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | |
| 1987 | 2 | 0.3 | 4.2 | 0.0 | 6.1 | 7.0 | 1.4 | 0.0 | 0.5 | 14.2 | 9.2 | 7.4 | 0.8 | 0.0 | 4.8 | 0.0 | 5.6 | 0.6 | 2.6 | 3.8 | 12.5 | 0.9 | 0.0 | 0.0 | 5.0 | 0.0 | 1.8 | 9.0 | | | | 97.7 | 14.2 | 3.6 | 0.0 | | |
| | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 12.7 | 5.8 | 16.2 | 2.4 | 1.9 | 0.8 | 3.2 | 0.0 | 0.0 | 0.6 | 8.4 | 0.0 | 3.8 | 2.9 | 0.0 | 5.3 | 29.3 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 108.9 | 29.3 | 3.6 | 0.0 | |
| | 4 | 0.0 | 0.9 | 3.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.4 | 3.3 | 0.0 | 2.7 | 7.8 | 0.2 | 0.5 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 50.8 | 27.9 | 1.7 | 0.0 | | |
| | 5 | 4.2 | 0.5 | 0.0 | 0.2 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 | 6.6 | 0.6 | 0.0 | | | |
| | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 1.8 | 2.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 4.0 | 0.0 | 17.0 | 5.7 | 0.6 | 0.0 | | | |
| | 7 | 0.6 | 17.4 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30.0 | 17.4 | 1.0 | 0.0 | | | |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 3.8 | 0.6 | 6.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 14.3 | 6.4 | 0.5 | 0.0 | | | |
| | 9 | 0.0 | 2.1 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.6 | 0.0 | 18.9 | 5.7 | 0.7 | 0.0 | | | | |
| | 10 | 1.9 | 0.0 | 0.5 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 0.0 | 3.8 | 3.3 | 1.4 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | 18.7 | 1.2 | 64.9 | 18.7 | 2.2 | 0.0 | |
| | 11 | 0.0 | 3.9 | 0.0 | 2.1 | 0.0 | 4.2 | 0.0 | 2.6 | 0.0 | 0.0 | 2.1 | 3.1 | 1.9 | 3.6 | 0.3 | 0.0 | 3.7 | 1.2 | 6.0 | 7.4 | 4.5 | 4.8 | 6.4 | 9.7 | 4.8 | 7.3 | 10.5 | 0.0 | 4.2 | 1.5 | 95.8 | 10.5 | 3.2 | 0.0 | | |
| | 12 | 10.5 | 3.0 | 2.3 | 0.0 | 7.0 | 11.2 | 20.3 | 15.0 | 0.0 | 0.3 | 2.3 | 0.4 | 10.0 | 0.0 | 1.6 | 0.7 | 0.0 | 5.4 | 1.8 | 0.0 | 0.0 | 7.0 | 1.4 | 4.9 | 7.9 | 9.5 | 2.1 | 0.0 | 4.2 | 1.9 | 130.7 | 20.3 | 4.4 | 0.0 | | |
| | 1988 | 1 | 3.0 | 4.0 | 1.5 | 5.4 | 0.0 | 1.5 | 7.8 | 0.0 | 0.0 | 0.2 | 1.4 | 0.0 | 3.4 | 1.2 | 7.7 | 11.9 | 4.0 | 6.2 | 7.6 | 3.2 | 6.6 | 13.5 | 4.3 | 10.3 | 19.0 | 5.2 | 9.8 | 16.0 | 5.4 | 178.1 | 19.0 | 5.9 | 0.0 | | |
| 2 | | 3.6 | 10.7 | 6.6 | 2.6 | 21.5 | 4.6 | 0.0 | 0.0 | 13.2 | 3.3 | 20.0 | 8.4 | 2.8 | 15.6 | 5.4 | 1.8 | 0.0 | 0.0 | 0.6 | 5.3 | 4.0 | 1.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.6 | 133.1 | 21.5 | 4.8 | 0.0 | | | |
| 3 | | 0.0 | 2.4 | 16.4 | 13.4 | 13.5 | 0.7 | 28.4 | 13.4 | 2.2 | 0.8 | 6.0 | 6.0 | 8.4 | 3.8 | 2.8 | 11.6 | 11.6 | 7.1 | 4.2 | 2.2 | 22.2 | 6.8 | 9.8 | 2.0 | 0.0 | 12.4 | 0.0 | 4.2 | 3.8 | 7.2 | 215.5 | 26.4 | 7.2 | 0.0 | | |
| 4 | | 14.5 | 5.8 | 10.3 | 4.3 | 0.9 | 1.0 | 2.4 | 0.0 | 0.4 | 0.0 | 12.6 | 0.0 | 0.0 | 0.4 | 0.9 | 0.0 | 0.0 | 1.3 | 2.2 | 4.0 | 12.2 | 3.1 | 4.8 | 0.0 | 0.0 | 1.8 | 0.0 | 12.3 | 0.0 | 6.8 | 101.4 | 14.5 | 3.4 | 0.0 | | |
| 5 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 1.8 | 1.4 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.3 | 3.6 | 0.2 | 0.0 | 0.1 | 2.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.9 | 23.3 | 1.2 | 0.0 | | |
| 6 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | | |
| 7 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 8 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| CUENCA CAÑETE | ESTACION COSMOS | DEPARTAMENTO JUNIN | LONGITUD 75° 34'1 | LATITUD 12° 09'1 |
|------------------|--------------------|-----------------------|----------------------|---------------------|



| PRECIPITACION TOTAL MENSUAL (mm) | | | | | | | | | | | | | |
|----------------------------------|----------|--------------|-------|-------|------|------|----------|----------|------|-------|-------|-------|-------|
| CUENCA | ESTACION | DEPARTAMENTO | | | | | LONGITUD | LATITUD | | | | | |
| CAÑETE | COSMOS | JUNIN | | | | | 75° 34'1 | 12° 09'1 | | | | | |
| Año | Mes | | | | | | | | | | | | Total |
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1982 | 79.3 | 40.3 | 86.0 | 16.8 | 0.1 | 0.0 | 4.4 | 13.8 | 18.6 | 102.1 | 45.9 | 42.3 | 449.6 |
| 1983 | 56.9 | 31.4 | 12.3 | 6.7 | 8.1 | 4.2 | 1.0 | 0.4 | 44.6 | 14.5 | 9.5 | 49.5 | 239.1 |
| 1984 | 107.2 | 106.0 | 88.1 | 31.4 | 21.6 | 5.4 | 1.4 | 31.9 | 14.6 | 85.1 | 101.8 | 102.3 | 696.8 |
| 1985 | 52.9 | 85.2 | 96.7 | 76.4 | 50.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1986 | 101.6 | 205.2 | 163.1 | 90.8 | 40.9 | 1.5 | 12.4 | 30.6 | 99.5 | 30.0 | 62.5 | 152.9 | 991.1 |
| 1987 | 196.6 | 97.7 | 108.9 | 50.8 | 17.4 | 17.0 | 30.0 | 14.3 | 19.9 | 64.9 | 95.8 | 130.7 | 844.1 |
| 1988 | 178.1 | 133.1 | 215.5 | 101.4 | 35.9 | 0.6 | 0.0 | 0.0 | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Pp Maxima | 196.6 | 205.2 | 215.5 | 101.4 | 50.5 | 17.0 | 30.0 | 31.9 | 99.5 | 102.1 | 101.8 | 152.9 | 991.1 |
| Pp Media | 110.4 | 99.9 | 110.1 | 53.5 | 24.9 | 4.1 | 7.0 | 13.0 | 32.9 | 49.4 | 52.6 | 95.5 | 644.1 |
| Pp Minima | 52.9 | 31.4 | 12.3 | 6.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 42.3 | 239.1 |

| | | | | |
|------------------|--------------------|-----------------------|----------------------|---------------------|
| CUENCA CAÑETE | ESTACION COSMOS | DEPARTAMENTO JUNIN | LONGITUD 75° 34'1 | LATITUD 12° 09'1 |
|------------------|--------------------|-----------------------|----------------------|---------------------|

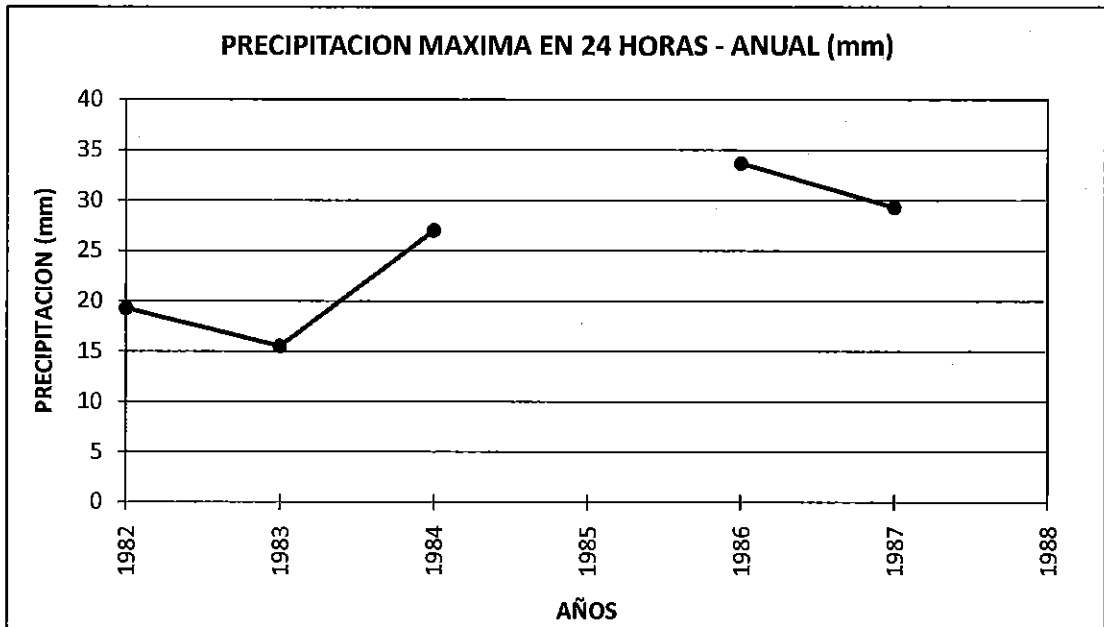


PRECIPITACION MAXIMA EN 24 HORAS (mm)

| | | | | |
|--------|----------|--------------|----------|----------|
| CUENCA | ESTACION | DEPARTAMENTO | LONGITUD | LATITUD |
| CAÑETE | COSMOS | JUNIN | 75° 34'1 | 12° 09'1 |

| Año | Mes | | | | | | | | | | | | Máx. |
|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|
| | Ene | Feb | Mar | Abr | May | Jun | Jul | Ago | Sep | Oct | Nov | Dic | |
| 1982 | 11.8 | 13.0 | 17.3 | 6.0 | 0.1 | 0.0 | 3.0 | 4.6 | 7.4 | 19.3 | 9.2 | 8.9 | 19.3 |
| 1983 | 7.4 | 6.0 | 2.3 | 2.3 | 3.8 | 3.4 | 0.8 | 0.4 | 14.4 | 6.0 | 3.4 | 15.5 | 15.5 |
| 1984 | 10.9 | 16.2 | 15.0 | 9.4 | 5.0 | 3.3 | 1.4 | 6.4 | 4.8 | 17.0 | 27.0 | 17.0 | 27.0 |
| 1985 | 9.6 | 10.3 | 15.0 | 14.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 1986 | 29.9 | 33.7 | 26.5 | 14.8 | 21.7 | 0.9 | 3.6 | 16.3 | 16.6 | 8.3 | 12.8 | 19.6 | 33.7 |
| 1987 | 23.0 | 14.2 | 29.3 | 27.8 | 6.6 | 5.7 | 17.4 | 6.4 | 5.7 | 15.7 | 10.5 | 20.3 | 29.3 |
| 1988 | 19.0 | 21.5 | 26.4 | 14.5 | 23.3 | 0.6 | 0.0 | 0.0 | | | | | |

| | | | | |
|------------------|--------------------|-----------------------|----------------------|---------------------|
| CUENCA CAÑETE | ESTACION COSMOS | DEPARTAMENTO JUNIN | LONGITUD 75° 34'1 | LATITUD 12° 09'1 |
|------------------|--------------------|-----------------------|----------------------|---------------------|



PRECIPITACION TOTAL ANUAL (mm)

| | | | | |
|------------------|--------------------|-----------------------|----------------------|---------------------|
| CUENCA CAÑETE | ESTACION COSMOS | DEPARTAMENTO JUNIN | LONGITUD 75° 34'1 | LATITUD 12° 09'1 |
|------------------|--------------------|-----------------------|----------------------|---------------------|

| Año | Total |
|------|-------|
| 1982 | 449.6 |
| 1983 | 239.1 |
| 1984 | 696.8 |
| 1985 | |
| 1986 | 991.1 |
| 1987 | 844.1 |
| 1988 | |

| | |
|----------|---------|
| CUENCA | CAÑETE |
| ESTACION | AYAVIRI |

| Año | Mes | Días | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | | | | | | | | |
|------|------|------|------|------|-----|------|------|------|-----|------|------|-----|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|-----|-----|-------|-------|--------|-------|--------|-----|------|-----|-----|-----|-----|-----|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | | | |
| 1996 | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 3 | 7.7 | 0.0 | 0.0 | 3.0 | 5.1 | 0.1 | 16.7 | 3.4 | 1.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 12 | 2.9 | 0.8 | 3.5 | 0.0 | 3.0 | 0.0 | 3.1 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 1 | 1.4 | 14.8 | 3.1 | 4.1 | 0.5 | 1.2 | 12.3 | 28.4 | 4.1 | 3.7 | 0.7 | 5.4 | 31.9 | 1.4 | 7.1 | 11.0 | 9.3 | 9.7 | 0.5 | 10.6 | 24.4 | 26.1 | 12.6 | 16.4 | 5.3 | 11.6 | 0.1 | 13.3 | 23.6 | 5.1 | 5.6 | 29.4 | 3.1 | 31.9 | 5.9 | 5.5 | 0.1 | 0.1 | 0.0 | 0.0 | | | | |
| 2 | 5.6 | 8.7 | 14.9 | 4.6 | 0.0 | 16.9 | 13.9 | 9.2 | 5.8 | 10.2 | 0.2 | 3.2 | 4.2 | 8.1 | 5.7 | 0.0 | 1.1 | 5.9 | 6.7 | 0.1 | 0.5 | 16.9 | 0.9 | 0.6 | 5.5 | 26.1 | 9.7 | 3.5 | 1.7 | 4.1 | 1.7 | 188.7 | 26.1 | 7.9 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | |
| 3 | 5.3 | 14.8 | 32.4 | 4.1 | 8.9 | 11.3 | 9.9 | 13.1 | 7.4 | 3.4 | 12.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| 4 | 3.3 | 1.4 | 7.8 | 2.8 | 0.0 | 0.0 | 2.7 | 3.4 | 3.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 1 | 10.2 | 4.7 | 14.8 | 14.5 | 9.6 | 7.5 | 1.5 | 5.6 | 2.2 | 0.6 | 1.3 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 2.4 | 7.4 | 5.4 | 9.9 | 7.0 | 1.5 | 2.0 | 0.2 | 4.7 | 4.7 | 8.1 | 3.5 | 9.5 | 3.8 | 10.5 | 3.8 | 10.5 | 3.8 | 14.1 | 3.0 | 12.2 | 1.3 | 6.3 | | | | |
| 2 | 2.4 | 0.0 | 3.5 | 2.7 | 2.1 | 0.5 | 4.3 | 2.1 | 2.2 | 3.9 | 10.1 | 9.9 | 13.0 | 5.0 | 11.9 | 23.1 | 17.0 | 10.2 | 18.2 | 6.1 | 15.8 | 13.5 | 12.9 | 6.3 | 19.2 | 6.1 | 13.1 | 8.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| 3 | 16.0 | 6.3 | 8.8 | 1.3 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 13.2 | 0.6 | 4.9 | 3.4 | 15.0 | 8.0 | 1.4 | 5.5 | 0.0 | 12.6 | 11.5 | 7.1 | 3.4 | 9.5 | 6.8 | 0.2 | 4.5 | 2.3 | 15.2 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| 4 | 3.1 | 1.0 | 14.2 | 8.8 | 5.3 | 3.0 | 0.0 | 0.0 | 3.5 | 1.2 | 2.6 | 5.9 | 0.2 | 0.1 | 0.5 | 0.0 | 1.0 | 5.3 | 12.8 | 0.1 | 0.0</ | | | | | | | | | | | | | | | | | | | | | | | |

| Año | Mes | Días | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | |
|------|------|------|-----|------|------|------|------|------|------|------|-----|------|------|-----|------|-----|-----|-----|-----|------|-----|------|-----|------|------|------|-----|------|------|------|------|-------|-------|--------|-------|--------|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | |
| 2002 | 2 | 8.1 | 0.2 | 0.9 | 12.3 | 5.3 | 14.2 | 17.5 | 4.9 | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 | 1.2 | 6.5 | 1.3 | 3.8 | 1.6 | 5.6 | 0.3 | 0.0 | 0.5 | 17.1 | 1.1 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 103.9 | 17.5 | 3.7 | 0.0 | | |
| | 3 | 0.0 | 0.0 | 0.0 | 3.1 | 1.5 | 1.5 | 1.0 | 8.3 | 6.7 | 0.5 | 8.7 | 16.7 | 5.2 | 9.2 | 2.5 | 9.8 | 2.2 | 3.5 | 1.1 | 3.9 | 2.4 | 1.5 | 7.3 | 2.5 | 1.4 | 0.1 | 14.3 | 14.5 | 28.7 | 0.6 | 0.9 | 159.8 | 28.7 | 6.2 | 0.0 | |
| | 4 | 1.5 | 5.0 | 2.4 | 3.8 | 0.8 | 12.6 | 12.8 | 3.9 | 7.8 | 1.2 | 4.1 | 10.3 | 0.0 | 5.1 | 4.5 | 1.1 | 0.0 | 0.0 | 2.1 | 8.2 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 90.6 | 12.8 | 3.0 | 0.0 | |
| | 5 | 0.0 | 0.0 | 0.0 | 1.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 3.4 | 0.2 | 0.0 | |
| | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 10 | 0.0 | 0.7 | 0.0 | 0.4 | 0.2 | 0.8 | 7.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 5.2 | 2.3 | 0.0 | 0.0 | 0.0 | 1.5 | 13.0 | 14.5 | 13.0 | 0.6 | 0.0 | | |
| | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.9 | 4.3 | 2.5 | 2.0 | 4.9 | 3.5 | 2.4 | 1.3 | 6.4 | 2.4 | 0.4 | 0.0 | 0.0 | 0.0 | 8.2 | 0.0 | 27.6 | 8.2 | 0.9 | 0.0 | | |
| | 12 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 3.3 | 2.1 | 0.0 | 4.9 | 3.5 | 2.4 | 1.3 | 6.4 | 2.4 | 0.4 | 0.0 | 2.9 | 0.0 | 42.0 | 6.4 | 1.4 | 0.0 | | | |
| | 2003 | 1 | 6.2 | 14.6 | 2.9 | 0.2 | 1.2 | 0.0 | 18.2 | 14.1 | 1.0 | 11.4 | 2.9 | 9.8 | 6.4 | 3.2 | 1.5 | 0.0 | 0.0 | 0.0 | 7.2 | 1.3 | 2.3 | 3.3 | 11.6 | 4.4 | 3.4 | 1.1 | 4.9 | 1.9 | 2.3 | 1.7 | 92.0 | 11.6 | 3.0 | 0.0 | |
| 3 | | 4.8 | 8.6 | 0.1 | 5.5 | 0.1 | 6.8 | 10.5 | 7.0 | 5.2 | 0.8 | 3.5 | 5.0 | 5.5 | 1.0 | 1.2 | 4.5 | 6.0 | 8.2 | 4.5 | 0.0 | 0.1 | 0.5 | 6.2 | 3.9 | 17.1 | 1.8 | 0.5 | 2.5 | 3.9 | 5.2 | 4.7 | 129.1 | 17.1 | 4.0 | 0.0 | |
| 4 | | 0.8 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | 2.6 | 0.4 | 0.0 | |
| 5 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.0 | 0.0 | |
| 6 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 7 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 8 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 9 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 10 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 12 | | 7.7 | 6.2 | 3.5 | 15.0 | 5.6 | 16.2 | 2.9 | 0.2 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 4.8 | 0.2 | 0.0 | |
| 2004 | | 1 | 0.4 | 10.6 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 138.2 | 16.2 | 4.5 | 0.0 | |
| | 2 | 1.0 | 0.0 | 6.5 | 0.0 | 11.7 | 8.0 | 4.6 | 5.8 | 11.8 | 4.0 | 4.9 | 19.8 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 14.6 | 7.3 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 32.9 | 10.6 | 1.1 | 0.0 | | |
| | 3 | 3.3 | 0.0 | 0.0 | 5.8 | 5.0 | 3.6 | 8.4 | 4.5 | 0.7 | 1.2 | 0.6 | 0.4 | 6.4 | 0.0 | 2.0 | 3.5 | 0.0 | 7.5 | 29.2 | 6.1 | 10.9 | 6.2 | 8.5 | 4.8 | 0.3 | 0.4 | 0.5 | 0.2 | 0.0 | 0.0 | 141.5 | 20.4 | 4.9 | 0.0 | | |
| | 4 | 8.1 | 0.4 | 10.1 | 4.4 | 0.0 | 5.3 | 0.0 | 0.3 | 2.9 | 1.6 | 5.8 | 1.9 | 0.5 | 20.6 | 1.4 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 63.5 | 20.5 | 2.1 | 0.0 | |
| | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 12 | 7.7 | 6.2 | 3.5 | 15.0 | 5.6 | 16.2 | 2.9 | 0.2 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 4.8 | 0.2 | 0.0 | |
| 2005 | 1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 2.6 | 0.1 | 0.0 | | |
| | 2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 7 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Año | Mes | Días | | | | | | | | | | | | Total | Máximo | Medio | Mínimo | | | | | | | | | | | | | | | | | | | | | | | |
|------|-----|------|------|-----|------|-----|------|------|------|------|------|------|------|-------|--------|-------|--------|------|------|-----|------|------|------|------|------|------|-----|------|------|-----|-----|-----|------|-----|-------|------|-------|------|-----|-----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| 2008 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.8 | 6.2 | 0.8 | 0.0 | | | | |
| | 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.9 | 3.2 | 0.3 | 0.0 | | | |
| | 12 | 0.0 | 0.0 | 0.0 | 1.3 | 0.0 | 0.8 | 0.0 | 2.8 | 0.0 | 0.9 | 1.4 | 2.4 | 0.0 | 0.4 | 2.3 | 1.4 | 7.4 | 8.6 | 0.1 | 0.0 | 13.8 | 12.7 | 11.7 | 15.6 | 12.2 | 3.9 | 12.4 | 12.3 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.6 | 17.8 | 1.8 | 0.0 | |
| | 1 | 0.0 | 0.0 | 6.9 | 5.2 | 3.8 | 1.2 | 4.0 | 16.1 | 8.5 | 12.1 | 15.3 | 2.6 | 3.8 | 3.4 | 17.3 | 1.4 | 7.4 | 8.6 | 0.1 | 0.0 | 13.8 | 12.7 | 11.7 | 15.6 | 12.2 | 3.9 | 12.4 | 12.3 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 215.4 | 17.3 | 6.9 | 0.0 | | |
| | 2 | 0.0 | 8.1 | 1.3 | 10.7 | 1.3 | 0.1 | 0.1 | 0.9 | 1.1 | 14.1 | 5.2 | 5.8 | 6.1 | 7.0 | 16.2 | 3.9 | 7.8 | 13.7 | 9.6 | 25.5 | 13.8 | 22.3 | 15.7 | 10.1 | 19.5 | 0.6 | 5.7 | 4.3 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 233.8 | 25.5 | 8.1 | 0.0 | | |
| | 3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 172.9 | 30.4 | 5.6 | 0.0 |
| | 4 | 0.4 | 1.9 | 0.3 | 1.2 | 0.0 | 2.9 | 3.8 | 1.9 | 0.9 | 0.0 | 1.8 | 0.0 | 1.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.1 | 4.1 | 0.7 | 0.0 | |
| | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 12 | 0.0 | 0.0 | 0.2 | 2.1 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.3 | 0.0 | 1.0 | 1.1 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 2009 | 1 | 0.0 | 10.6 | 7.1 | 0.0 | 3.7 | 1.7 | 4.1 | 3.4 | 0.3 | 6.3 | 4.3 | 6.6 | 7.4 | 2.3 | 3.4 | 12.7 | 1.4 | 9.6 | 8.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 2 | 6.9 | 0.0 | 7.3 | 3.1 | 1.7 | 11.9 | 27.3 | 6.8 | 0.0 | 0.5 | 9.3 | 28.9 | 24.1 | 6.4 | 7.2 | 20.6 | 19.0 | 13.4 | 28 | 9.6 | 18.4 | 19.1 | 13.3 | 15.5 | 3.1 | 4.2 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 3 | 0.2 | 3.2 | 0.0 | 2.7 | 2.3 | 0.3 | 5.2 | 1.0 | 0.0 | 3.6 | 5.9 | 3.8 | 0.4 | 7.2 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 4 | 0.0 | 0.0 | 2.6 | 4.8 | 1.8 | 0.2 | 3.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 11 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 12 | 0.0 | 0.2 | 1.9 | 0.0 | 0.0 | 0.0 | 0.5 | 4.8 | 3.9 | 0.0 | 0.0 | 0.0 | 4.3 | 0.6 | 0.0 | 12.5 | 9.5 | 8.7 | 0.0 | 1.0 | 2.5 | 8.3 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 2010 | 1 | 0.0 | 0.5 | 0.0 | 6.5 | 6.4 | 1.0 | 0.0 | 5.3 | 16.8 | 0.7 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| | 2 | 0.0 | 2.0 | 0.0 | 3.1 | 1.6 | 4.8 | 1.5 | 28.5 | 0.8 | 2.7 | 24.3 | 1.5 | 11.2 | 4.1 | 4.5 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.8 | 7.6 | 8.2 | 6.0 | 9.2 | 4.1 | 17.3 | 6.7 | 0.0 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| | 3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| | 4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |

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